

**Ringversuch:** 3-2013  
**Parameter:** Clostridium perfringens  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Verfahren:** TrinkwV 2001 Anl. 5  
**Anzahl Werte:** 115

**Sollwert (Mittelwert nach Hampel):** 32,15  
**Soll-Standardabweichung:** 14,04  
**rel. Soll-Standardabw. [%]:** 43,69  
**Ausschlussgrenze unten:** 9  
**Ausschlussgrenze oben:** 69

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0337   | 0         | -2,8024    |
| 3-0043   | 1         | -2,7152    |
| 3-0342   | 2         | -2,6280    |
| 3-0459   | 2         | -2,6280    |
| 3-0144   | 4         | -2,4537    |
| 3-0067   | 10        | -1,9306    |
| 3-0471   | 12        | -1,7563    |
| 3-0117   | 13        | -1,6691    |
| 3-0168   | 13        | -1,6691    |
| 3-0213   | 13        | -1,6691    |
| 3-0065   | 14        | -1,5819    |
| 3-0121   | 14        | -1,5819    |
| 3-0233   | 14        | -1,5819    |
| 3-0365   | 14        | -1,5819    |
| 3-0351   | 15        | -1,4947    |
| 3-0382   | 15        | -1,4947    |
| 3-0150   | 18        | -1,2332    |
| 3-0162   | 18        | -1,2332    |
| 3-0347   | 18        | -1,2332    |
| 3-0475   | 18        | -1,2332    |
| 3-0034   | 19        | -1,1460    |
| 3-0100   | 19        | -1,1460    |
| 3-0325   | 19        | -1,1460    |
| 3-0155   | 20        | -1,0588    |
| 3-0344   | 20        | -1,0588    |
| 3-0005   | 21        | -0,9717    |
| 3-0102   | 21        | -0,9717    |
| 3-0449   | 21        | -0,9717    |
| 3-0015   | 22        | -0,8845    |
| 3-0046   | 23        | -0,7973    |
| 3-0027   | 24        | -0,7101    |
| 3-0059   | 24        | -0,7101    |
| 3-0266   | 24        | -0,7101    |
| 3-0115   | 26        | -0,5358    |
| 3-0138   | 26        | -0,5358    |
| 3-0360   | 26        | -0,5358    |
| 3-0386   | 26        | -0,5358    |
| 3-0160   | 27        | -0,4486    |
| 3-0260   | 27        | -0,4486    |
| 3-0002   | 28        | -0,3614    |
| 3-0111   | 28        | -0,3614    |
| 3-0416   | 28        | -0,3614    |
| 3-0423   | 28        | -0,3614    |
| 3-0436   | 28        | -0,3614    |
| 3-0490   | 28        | -0,3614    |
| 3-0221   | 29        | -0,2742    |
| 3-0223   | 29        | -0,2742    |
| 3-0237   | 30        | -0,1871    |
| 3-0278   | 30        | -0,1871    |
| 3-0482   | 30        | -0,1871    |
| 3-0061   | 31        | -0,0999    |
| 3-0119   | 31        | -0,0999    |
| 3-0286   | 31        | -0,0999    |
| 3-0329   | 31        | -0,0999    |
| 3-0408   | 31        | -0,0999    |
| 3-0082   | 32        | -0,0127    |
| 3-0230   | 32        | -0,0127    |
| 3-0430   | 32        | -0,0127    |
| 3-0091   | 33        | 0,0471     |
| 3-0153   | 34        | 0,1022     |
| 3-0175   | 34        | 0,1022     |
| 3-0376   | 34        | 0,1022     |
| 3-0420   | 34        | 0,1022     |
| 3-0025   | 35        | 0,1573     |
| 3-0086   | 35        | 0,1573     |
| 3-0125   | 35        | 0,1573     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0211   | 35        | 0,1573     |
| 3-0216   | 35        | 0,1573     |
| 3-0053   | 36        | 0,2124     |
| 3-0191   | 36        | 0,2124     |
| 3-0205   | 36        | 0,2124     |
| 3-0433   | 36        | 0,2124     |
| 3-0070   | 37        | 0,2675     |
| 3-0073   | 37        | 0,2675     |
| 3-0179   | 37        | 0,2675     |
| 3-0252   | 38        | 0,3226     |
| 3-0327   | 38        | 0,3226     |
| 3-0012   | 39        | 0,3777     |
| 3-0315   | 40        | 0,4328     |
| 3-0262   | 41        | 0,4879     |
| 3-0442   | 41        | 0,4879     |
| 3-0477   | 41        | 0,4879     |
| 3-0018   | 42        | 0,5429     |
| 3-0039   | 42        | 0,5429     |
| 3-0107   | 42        | 0,5429     |
| 3-0170   | 42        | 0,5429     |
| 3-0240   | 42        | 0,5429     |
| 3-0310   | 42        | 0,5429     |
| 3-0165   | 43        | 0,5980     |
| 3-0188   | 43        | 0,5980     |
| 3-0274   | 43        | 0,5980     |
| 3-0008   | 44        | 0,6531     |
| 3-0209   | 44        | 0,6531     |
| 3-0010   | 45        | 0,7082     |
| 3-0098   | 45        | 0,7082     |
| 3-0133   | 45        | 0,7082     |
| 3-0199   | 45        | 0,7082     |
| 3-0203   | 45        | 0,7082     |
| 3-0283   | 45        | 0,7082     |
| 3-0388   | 45        | 0,7082     |
| 3-0030   | 47        | 0,8184     |
| 3-0050   | 47        | 0,8184     |
| 3-0254   | 47        | 0,8184     |
| 3-0372   | 47        | 0,8184     |
| 3-0095   | 48        | 0,8735     |
| 3-0403   | 48        | 0,8735     |
| 3-0227   | 50        | 0,9837     |
| 3-0177   | 52        | 1,0939     |
| 3-0104   | 53        | 1,1490     |
| 3-0184   | 58        | 1,4245     |
| 3-0426   | 58        | 1,4245     |
| 3-0130   | 61        | 1,5898     |
| 3-0339   | 64        | 1,7551     |
| 3-0456   | 64        | 1,7551     |
| 3-0399   | 66        | 1,8653     |

**Ringversuch:** 3-2013  
**Parameter:** Clostridium perfringens  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Verfahren:** TrinkwV 2001 Anl. 5  
**Anzahl Werte:** 114

**Sollwert (Mittelwert nach Hampel):** 17,23  
**Soll-Standardabweichung:** 6,854  
**rel. Soll-Standardabw. [%]:** 39,79  
**Ausschlussgrenze unten:** 5  
**Ausschlussgrenze oben:** 35

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0373   | 0         | -2,9785    |
| 3-0429   | 0         | -2,9785    |
| 3-0019   | 3         | -2,4598    |
| 3-0120   | 5         | -2,1140    |
| 3-0324   | 5         | -2,1140    |
| 3-0243   | 7         | -1,7683    |
| 3-0385   | 7         | -1,7683    |
| 3-0052   | 8         | -1,5954    |
| 3-0093   | 8         | -1,5954    |
| 3-0419   | 8         | -1,5954    |
| 3-0026   | 9         | -1,4225    |
| 3-0097   | 9         | -1,4225    |
| 3-0338   | 9         | -1,4225    |
| 3-0343   | 9         | -1,4225    |
| 3-0222   | 10        | -1,2496    |
| 3-0356   | 10        | -1,2496    |
| 3-0491   | 10        | -1,2496    |
| 3-0068   | 11        | -1,0767    |
| 3-0129   | 11        | -1,0767    |
| 3-0257   | 11        | -1,0767    |
| 3-0029   | 12        | -0,9038    |
| 3-0044   | 12        | -0,9038    |
| 3-0108   | 12        | -0,9038    |
| 3-0112   | 12        | -0,9038    |
| 3-0193   | 12        | -0,9038    |
| 3-0404   | 12        | -0,9038    |
| 3-0484   | 12        | -0,9038    |
| 3-0210   | 13        | -0,7309    |
| 3-0272   | 13        | -0,7309    |
| 3-0285   | 13        | -0,7309    |
| 3-0474   | 13        | -0,7309    |
| 3-0479   | 13        | -0,7309    |
| 3-0011   | 14        | -0,5580    |
| 3-0054   | 14        | -0,5580    |
| 3-0176   | 14        | -0,5580    |
| 3-0180   | 14        | -0,5580    |
| 3-0219   | 14        | -0,5580    |
| 3-0116   | 15        | -0,3851    |
| 3-0157   | 15        | -0,3851    |
| 3-0276   | 15        | -0,3851    |
| 3-0319   | 15        | -0,3851    |
| 3-0349   | 15        | -0,3851    |
| 3-0476   | 15        | -0,3851    |
| 3-0123   | 16        | -0,2122    |
| 3-0161   | 16        | -0,2122    |
| 3-0166   | 16        | -0,2122    |
| 3-0207   | 16        | -0,2122    |
| 3-0380   | 16        | -0,2122    |
| 3-0003   | 17        | -0,0393    |
| 3-0016   | 17        | -0,0393    |
| 3-0023   | 17        | -0,0393    |
| 3-0063   | 17        | -0,0393    |
| 3-0204   | 17        | -0,0393    |
| 3-0236   | 17        | -0,0393    |
| 3-0422   | 17        | -0,0393    |
| 3-0453   | 17        | -0,0393    |
| 3-0007   | 18        | 0,0886     |
| 3-0074   | 18        | 0,0886     |
| 3-0126   | 18        | 0,0886     |
| 3-0132   | 18        | 0,0886     |
| 3-0263   | 18        | 0,0886     |
| 3-0333   | 18        | 0,0886     |
| 3-0412   | 18        | 0,0886     |
| 3-0049   | 19        | 0,2033     |
| 3-0137   | 19        | 0,2033     |
| 3-0201   | 19        | 0,2033     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0261   | 19        | 0,2033     |
| 3-0032   | 20        | 0,3180     |
| 3-0101   | 20        | 0,3180     |
| 3-0103   | 20        | 0,3180     |
| 3-0106   | 20        | 0,3180     |
| 3-0141   | 20        | 0,3180     |
| 3-0187   | 20        | 0,3180     |
| 3-0253   | 20        | 0,3180     |
| 3-0328   | 20        | 0,3180     |
| 3-0341   | 20        | 0,3180     |
| 3-0397   | 20        | 0,3180     |
| 3-0060   | 21        | 0,4327     |
| 3-0066   | 21        | 0,4327     |
| 3-0072   | 21        | 0,4327     |
| 3-0099   | 21        | 0,4327     |
| 3-0148   | 21        | 0,4327     |
| 3-0154   | 21        | 0,4327     |
| 3-0198   | 21        | 0,4327     |
| 3-0326   | 21        | 0,4327     |
| 3-0387   | 21        | 0,4327     |
| 3-0434   | 21        | 0,4327     |
| 3-0169   | 22        | 0,5474     |
| 3-0212   | 22        | 0,5474     |
| 3-0214   | 22        | 0,5474     |
| 3-0228   | 22        | 0,5474     |
| 3-0432   | 22        | 0,5474     |
| 3-0467   | 22        | 0,5474     |
| 3-0172   | 23        | 0,6621     |
| 3-0178   | 23        | 0,6621     |
| 3-0368   | 23        | 0,6621     |
| 3-0009   | 24        | 0,7768     |
| 3-0037   | 24        | 0,7768     |
| 3-0226   | 24        | 0,7768     |
| 3-0299   | 24        | 0,7768     |
| 3-0401   | 25        | 0,8915     |
| 3-0163   | 26        | 1,0061     |
| 3-0088   | 28        | 1,2355     |
| 3-0151   | 29        | 1,3502     |
| 3-0461   | 29        | 1,3502     |
| 3-0014   | 30        | 1,4649     |
| 3-0083   | 30        | 1,4649     |
| 3-0231   | 31        | 1,5796     |
| 3-0440   | 34        | 1,9237     |
| 3-0311   | 36        | 2,1531     |
| 3-0425   | 41        | 2,7265     |
| 3-0444   | 41        | 2,7265     |
| 3-0239   | 44        | 3,0706     |
| 3-0457   | 52        | 3,9881     |

**Ringversuch:** 3-2013  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Verfahren:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 92

**Sollwert (Mittelwert nach Hampel):** 41,84  
**Soll-Standardabweichung:** 7,889  
**rel. Soll-Standardabw. [%]:** 18,85  
**Ausschlussgrenze unten:** 27  
**Ausschlussgrenze oben:** 60

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0001   | 21        | -2,8641    |
| 3-0172   | 26        | -2,1770    |
| 3-0070   | 27        | -2,0396    |
| 3-0342   | 27        | -2,0396    |
| 3-0043   | 30        | -1,6273    |
| 3-0246   | 30        | -1,6273    |
| 3-0287   | 31        | -1,4899    |
| 3-0383   | 31        | -1,4899    |
| 3-0180   | 32        | -1,3525    |
| 3-0188   | 33        | -1,2151    |
| 3-0192   | 34        | -1,0776    |
| 3-0324   | 35        | -0,9402    |
| 3-0032   | 36        | -0,8028    |
| 3-0107   | 36        | -0,8028    |
| 3-0130   | 36        | -0,8028    |
| 3-0139   | 36        | -0,8028    |
| 3-0154   | 36        | -0,8028    |
| 3-0168   | 36        | -0,8028    |
| 3-0273   | 36        | -0,8028    |
| 3-0407   | 36        | -0,8028    |
| 3-0443   | 36        | -0,8028    |
| 3-0449   | 36        | -0,8028    |
| 3-0453   | 36        | -0,8028    |
| 3-0038   | 37        | -0,6654    |
| 3-0366   | 37        | -0,6654    |
| 3-0375   | 37        | -0,6654    |
| 3-0464   | 37        | -0,6654    |
| 3-0485   | 37        | -0,6654    |
| 3-0076   | 38        | -0,5280    |
| 3-0089   | 38        | -0,5280    |
| 3-0145   | 38        | -0,5280    |
| 3-0202   | 38        | -0,5280    |
| 3-0267   | 38        | -0,5280    |
| 3-0283   | 38        | -0,5280    |
| 3-0330   | 38        | -0,5280    |
| 3-0419   | 38        | -0,5280    |
| 3-0427   | 38        | -0,5280    |
| 3-0474   | 38        | -0,5280    |
| 3-0005   | 39        | -0,3905    |
| 3-0015   | 40        | -0,2531    |
| 3-0061   | 40        | -0,2531    |
| 3-0459   | 40        | -0,2531    |
| 3-0009   | 41        | -0,1157    |
| 3-0048   | 41        | -0,1157    |
| 3-0056   | 41        | -0,1157    |
| 3-0111   | 41        | -0,1157    |
| 3-0413   | 41        | -0,1157    |
| 3-0431   | 41        | -0,1157    |
| 3-0126   | 42        | 0,0180     |
| 3-0336   | 43        | 0,1318     |
| 3-0401   | 43        | 0,1318     |
| 3-0423   | 43        | 0,1318     |
| 3-0019   | 44        | 0,2457     |
| 3-0095   | 44        | 0,2457     |
| 3-0198   | 44        | 0,2457     |
| 3-0277   | 44        | 0,2457     |
| 3-0362   | 44        | 0,2457     |
| 3-0023   | 45        | 0,3595     |
| 3-0052   | 45        | 0,3595     |
| 3-0149   | 45        | 0,3595     |
| 3-0237   | 45        | 0,3595     |
| 3-0241   | 45        | 0,3595     |
| 3-0319   | 45        | 0,3595     |
| 3-0371   | 45        | 0,3595     |
| 3-0379   | 45        | 0,3595     |
| 3-0158   | 46        | 0,4734     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0163   | 46        | 0,4734     |
| 3-0222   | 46        | 0,4734     |
| 3-0348   | 46        | 0,4734     |
| 3-0388   | 46        | 0,4734     |
| 3-0255   | 47        | 0,5872     |
| 3-0028   | 48        | 0,7011     |
| 3-0116   | 48        | 0,7011     |
| 3-0251   | 48        | 0,7011     |
| 3-0395   | 48        | 0,7011     |
| 3-0226   | 49        | 0,8149     |
| 3-0083   | 50        | 0,9287     |
| 3-0135   | 50        | 0,9287     |
| 3-0436   | 50        | 0,9287     |
| 3-0120   | 51        | 1,0426     |
| 3-0301   | 51        | 1,0426     |
| 3-0103   | 52        | 1,1564     |
| 3-0214   | 52        | 1,1564     |
| 3-0261   | 53        | 1,2703     |
| 3-0066   | 54        | 1,3841     |
| 3-0357   | 55        | 1,4979     |
| 3-0218   | 56        | 1,6118     |
| 3-0352   | 56        | 1,6118     |
| 3-0099   | 58        | 1,8395     |
| 3-0176   | 58        | 1,8395     |
| 3-0184   | 62        | 2,2948     |
| 3-0207   | 63        | 2,4087     |

**Ringversuch:** 3-2013  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Verfahren:** Colilert-18  
**Anzahl Werte:** 31

**Sollwert (Mittelwert nach Hampel):** 38,64  
**Soll-Standardabweichung:** 7,279  
**rel. Soll-Standardabw. [%]:** 18,84  
**Ausschlussgrenze unten:** 25  
**Ausschlussgrenze oben:** 55

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0001   | 21        | -2,6270    |
| 3-0070   | 27        | -1,7335    |
| 3-0342   | 27        | -1,7335    |
| 3-0246   | 30        | -1,2867    |
| 3-0287   | 31        | -1,1378    |
| 3-0180   | 32        | -0,9888    |
| 3-0032   | 36        | -0,3932    |
| 3-0130   | 36        | -0,3932    |
| 3-0139   | 36        | -0,3932    |
| 3-0273   | 36        | -0,3932    |
| 3-0443   | 36        | -0,3932    |
| 3-0453   | 36        | -0,3932    |
| 3-0089   | 38        | -0,0953    |
| 3-0145   | 38        | -0,0953    |
| 3-0202   | 38        | -0,0953    |
| 3-0283   | 38        | -0,0953    |
| 3-0330   | 38        | -0,0953    |
| 3-0419   | 38        | -0,0953    |
| 3-0427   | 38        | -0,0953    |
| 3-0015   | 40        | 0,1678     |
| 3-0413   | 41        | 0,2912     |
| 3-0431   | 41        | 0,2912     |
| 3-0126   | 42        | 0,4146     |
| 3-0401   | 43        | 0,5380     |
| 3-0023   | 45        | 0,7847     |
| 3-0052   | 45        | 0,7847     |
| 3-0241   | 45        | 0,7847     |
| 3-0226   | 49        | 1,2783     |
| 3-0436   | 50        | 1,4017     |
| 3-0218   | 56        | 2,1420     |
| 3-0352   | 56        | 2,1420     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Verfahren:** DIN EN ISO 9308-1  
**Anzahl Werte:** 61

**Sollwert (Mittelwert nach Hampel):** 43,4  
**Soll-Standardabweichung:** 7,734  
**rel. Soll-Standardabw. [%]:** 17,82  
**Ausschlussgrenze unten:** 29  
**Ausschlussgrenze oben:** 61

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0172   | 26        | -2,4300    |
| 3-0043   | 30        | -1,8713    |
| 3-0383   | 31        | -1,7317    |
| 3-0188   | 33        | -1,4524    |
| 3-0192   | 34        | -1,3127    |
| 3-0324   | 35        | -1,1731    |
| 3-0107   | 36        | -1,0334    |
| 3-0154   | 36        | -1,0334    |
| 3-0168   | 36        | -1,0334    |
| 3-0407   | 36        | -1,0334    |
| 3-0449   | 36        | -1,0334    |
| 3-0038   | 37        | -0,8938    |
| 3-0366   | 37        | -0,8938    |
| 3-0375   | 37        | -0,8938    |
| 3-0464   | 37        | -0,8938    |
| 3-0485   | 37        | -0,8938    |
| 3-0076   | 38        | -0,7541    |
| 3-0267   | 38        | -0,7541    |
| 3-0474   | 38        | -0,7541    |
| 3-0005   | 39        | -0,6145    |
| 3-0061   | 40        | -0,4748    |
| 3-0459   | 40        | -0,4748    |
| 3-0009   | 41        | -0,3352    |
| 3-0048   | 41        | -0,3352    |
| 3-0056   | 41        | -0,3352    |
| 3-0111   | 41        | -0,3352    |
| 3-0336   | 43        | -0,0559    |
| 3-0423   | 43        | -0,0559    |
| 3-0019   | 44        | 0,0701     |
| 3-0095   | 44        | 0,0701     |
| 3-0198   | 44        | 0,0701     |
| 3-0277   | 44        | 0,0701     |
| 3-0362   | 44        | 0,0701     |
| 3-0149   | 45        | 0,1870     |
| 3-0237   | 45        | 0,1870     |
| 3-0319   | 45        | 0,1870     |
| 3-0371   | 45        | 0,1870     |
| 3-0379   | 45        | 0,1870     |
| 3-0158   | 46        | 0,3039     |
| 3-0163   | 46        | 0,3039     |
| 3-0222   | 46        | 0,3039     |
| 3-0348   | 46        | 0,3039     |
| 3-0388   | 46        | 0,3039     |
| 3-0255   | 47        | 0,4208     |
| 3-0028   | 48        | 0,5377     |
| 3-0116   | 48        | 0,5377     |
| 3-0251   | 48        | 0,5377     |
| 3-0395   | 48        | 0,5377     |
| 3-0083   | 50        | 0,7715     |
| 3-0135   | 50        | 0,7715     |
| 3-0120   | 51        | 0,8884     |
| 3-0301   | 51        | 0,8884     |
| 3-0103   | 52        | 1,0052     |
| 3-0214   | 52        | 1,0052     |
| 3-0261   | 53        | 1,1221     |
| 3-0066   | 54        | 1,2390     |
| 3-0357   | 55        | 1,3559     |
| 3-0099   | 58        | 1,7066     |
| 3-0176   | 58        | 1,7066     |
| 3-0184   | 62        | 2,1741     |
| 3-0207   | 63        | 2,2910     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Verfahren:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 91

**Sollwert (Mittelwert nach Hampel):** 29,56  
**Soll-Standardabweichung:** 7,703  
**rel. Soll-Standardabw. [%]:** 26,06  
**Ausschlussgrenze unten:** 15  
**Ausschlussgrenze oben:** 48

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0223   | 11        | -2,6755    |
| 3-0396   | 14        | -2,2430    |
| 3-0284   | 15        | -2,0988    |
| 3-0445   | 15        | -2,0988    |
| 3-0332   | 16        | -1,9547    |
| 3-0439   | 16        | -1,9547    |
| 3-0164   | 18        | -1,6663    |
| 3-0002   | 19        | -1,5222    |
| 3-0006   | 19        | -1,5222    |
| 3-0024   | 19        | -1,5222    |
| 3-0117   | 19        | -1,5222    |
| 3-0228   | 19        | -1,5222    |
| 3-0193   | 20        | -1,3780    |
| 3-0349   | 22        | -1,0897    |
| 3-0100   | 23        | -0,9455    |
| 3-0424   | 23        | -0,9455    |
| 3-0063   | 24        | -0,8013    |
| 3-0150   | 24        | -0,8013    |
| 3-0189   | 24        | -0,8013    |
| 3-0010   | 25        | -0,6572    |
| 3-0049   | 25        | -0,6572    |
| 3-0072   | 25        | -0,6572    |
| 3-0278   | 25        | -0,6572    |
| 3-0367   | 25        | -0,6572    |
| 3-0338   | 26        | -0,5130    |
| 3-0372   | 26        | -0,5130    |
| 3-0385   | 26        | -0,5130    |
| 3-0404   | 26        | -0,5130    |
| 3-0146   | 27        | -0,3688    |
| 3-0232   | 27        | -0,3688    |
| 3-0274   | 27        | -0,3688    |
| 3-0291   | 27        | -0,3688    |
| 3-0310   | 27        | -0,3688    |
| 3-0321   | 27        | -0,3688    |
| 3-0358   | 27        | -0,3688    |
| 3-0376   | 27        | -0,3688    |
| 3-0432   | 27        | -0,3688    |
| 3-0450   | 27        | -0,3688    |
| 3-0476   | 27        | -0,3688    |
| 3-0486   | 28        | -0,2247    |
| 3-0033   | 29        | -0,0805    |
| 3-0053   | 29        | -0,0805    |
| 3-0080   | 29        | -0,0805    |
| 3-0141   | 29        | -0,0805    |
| 3-0215   | 29        | -0,0805    |
| 3-0257   | 29        | -0,0805    |
| 3-0428   | 29        | -0,0805    |
| 3-0016   | 30        | 0,0491     |
| 3-0044   | 30        | 0,0491     |
| 3-0315   | 30        | 0,0491     |
| 3-0353   | 30        | 0,0491     |
| 3-0091   | 31        | 0,1602     |
| 3-0121   | 31        | 0,1602     |
| 3-0203   | 31        | 0,1602     |
| 3-0238   | 31        | 0,1602     |
| 3-0242   | 31        | 0,1602     |
| 3-0262   | 31        | 0,1602     |
| 3-0325   | 31        | 0,1602     |
| 3-0363   | 31        | 0,1602     |
| 3-0380   | 31        | 0,1602     |
| 3-0344   | 32        | 0,2713     |
| 3-0067   | 33        | 0,3823     |
| 3-0208   | 33        | 0,3823     |
| 3-0104   | 34        | 0,4934     |
| 3-0136   | 34        | 0,4934     |
| 3-0177   | 34        | 0,4934     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0219   | 34        | 0,4934     |
| 3-0466   | 34        | 0,4934     |
| 3-0108   | 35        | 0,6045     |
| 3-0155   | 35        | 0,6045     |
| 3-0303   | 35        | 0,6045     |
| 3-0414   | 35        | 0,6045     |
| 3-0020   | 36        | 0,7156     |
| 3-0112   | 36        | 0,7156     |
| 3-0159   | 36        | 0,7156     |
| 3-0173   | 36        | 0,7156     |
| 3-0169   | 37        | 0,8267     |
| 3-0185   | 37        | 0,8267     |
| 3-0454   | 37        | 0,8267     |
| 3-0029   | 40        | 1,1600     |
| 3-0084   | 40        | 1,1600     |
| 3-0181   | 40        | 1,1600     |
| 3-0131   | 41        | 1,2711     |
| 3-0252   | 41        | 1,2711     |
| 3-0039   | 42        | 1,3822     |
| 3-0390   | 42        | 1,3822     |
| 3-0247   | 43        | 1,4933     |
| 3-0420   | 45        | 1,7155     |
| 3-0057   | 46        | 1,8266     |
| 3-0096   | 47        | 1,9377     |
| 3-0408   | 47        | 1,9377     |

**Ringversuch:** 3-2013  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Verfahren:** Colilert-18  
**Anzahl Werte:** 29

**Sollwert (Mittelwert nach Hampel):** 23,9  
**Soll-Standardabweichung:** 5,645  
**rel. Soll-Standardabw. [%]:** 23,62  
**Ausschlussgrenze unten:** 13  
**Ausschlussgrenze oben:** 37

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0284   | 15        | -1,7368    |
| 3-0445   | 15        | -1,7368    |
| 3-0332   | 16        | -1,5417    |
| 3-0439   | 16        | -1,5417    |
| 3-0164   | 18        | -1,1513    |
| 3-0002   | 19        | -0,9561    |
| 3-0024   | 19        | -0,9561    |
| 3-0117   | 19        | -0,9561    |
| 3-0228   | 19        | -0,9561    |
| 3-0193   | 20        | -0,7609    |
| 3-0349   | 22        | -0,3706    |
| 3-0424   | 23        | -0,1754    |
| 3-0189   | 24        | 0,0156     |
| 3-0049   | 25        | 0,1698     |
| 3-0278   | 25        | 0,1698     |
| 3-0372   | 26        | 0,3239     |
| 3-0404   | 26        | 0,3239     |
| 3-0146   | 27        | 0,4781     |
| 3-0232   | 27        | 0,4781     |
| 3-0310   | 27        | 0,4781     |
| 3-0321   | 27        | 0,4781     |
| 3-0432   | 27        | 0,4781     |
| 3-0080   | 29        | 0,7864     |
| 3-0141   | 29        | 0,7864     |
| 3-0215   | 29        | 0,7864     |
| 3-0428   | 29        | 0,7864     |
| 3-0203   | 31        | 1,0947     |
| 3-0262   | 31        | 1,0947     |
| 3-0252   | 41        | 2,6363     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Verfahren:** DIN EN ISO 9308-1  
**Anzahl Werte:** 62

**Sollwert (Mittelwert nach Hampel):** 32,25  
**Soll-Standardabweichung:** 7,009  
**rel. Soll-Standardabw. [%]:** 21,74  
**Ausschlussgrenze unten:** 19  
**Ausschlussgrenze oben:** 49

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0223   | 11        | -3,3191    |
| 3-0396   | 14        | -2,8504    |
| 3-0006   | 19        | -2,0693    |
| 3-0100   | 23        | -1,4444    |
| 3-0063   | 24        | -1,2881    |
| 3-0150   | 24        | -1,2881    |
| 3-0010   | 25        | -1,1319    |
| 3-0072   | 25        | -1,1319    |
| 3-0367   | 25        | -1,1319    |
| 3-0338   | 26        | -0,9757    |
| 3-0385   | 26        | -0,9757    |
| 3-0274   | 27        | -0,8195    |
| 3-0291   | 27        | -0,8195    |
| 3-0358   | 27        | -0,8195    |
| 3-0376   | 27        | -0,8195    |
| 3-0450   | 27        | -0,8195    |
| 3-0476   | 27        | -0,8195    |
| 3-0486   | 28        | -0,6632    |
| 3-0033   | 29        | -0,5070    |
| 3-0053   | 29        | -0,5070    |
| 3-0257   | 29        | -0,5070    |
| 3-0016   | 30        | -0,3508    |
| 3-0044   | 30        | -0,3508    |
| 3-0315   | 30        | -0,3508    |
| 3-0353   | 30        | -0,3508    |
| 3-0091   | 31        | -0,1945    |
| 3-0121   | 31        | -0,1945    |
| 3-0238   | 31        | -0,1945    |
| 3-0242   | 31        | -0,1945    |
| 3-0325   | 31        | -0,1945    |
| 3-0363   | 31        | -0,1945    |
| 3-0380   | 31        | -0,1945    |
| 3-0344   | 32        | -0,0383    |
| 3-0067   | 33        | 0,0949     |
| 3-0208   | 33        | 0,0949     |
| 3-0104   | 34        | 0,2206     |
| 3-0136   | 34        | 0,2206     |
| 3-0177   | 34        | 0,2206     |
| 3-0219   | 34        | 0,2206     |
| 3-0466   | 34        | 0,2206     |
| 3-0108   | 35        | 0,3464     |
| 3-0155   | 35        | 0,3464     |
| 3-0303   | 35        | 0,3464     |
| 3-0414   | 35        | 0,3464     |
| 3-0020   | 36        | 0,4721     |
| 3-0112   | 36        | 0,4721     |
| 3-0159   | 36        | 0,4721     |
| 3-0173   | 36        | 0,4721     |
| 3-0169   | 37        | 0,5979     |
| 3-0185   | 37        | 0,5979     |
| 3-0454   | 37        | 0,5979     |
| 3-0029   | 40        | 0,9751     |
| 3-0084   | 40        | 0,9751     |
| 3-0181   | 40        | 0,9751     |
| 3-0131   | 41        | 1,1009     |
| 3-0039   | 42        | 1,2266     |
| 3-0390   | 42        | 1,2266     |
| 3-0247   | 43        | 1,3524     |
| 3-0420   | 45        | 1,6038     |
| 3-0057   | 46        | 1,7296     |
| 3-0096   | 47        | 1,8553     |
| 3-0408   | 47        | 1,8553     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Verfahren:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 90

**Sollwert (Mittelwert nach Hampel):** 35,35  
**Soll-Standardabweichung:** 10,36  
**rel. Soll-Standardabw. [%]:** 29,31  
**Ausschlussgrenze unten:** 16  
**Ausschlussgrenze oben:** 61

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0194   | 11        | -2,6376    |
| 3-0156   | 12        | -2,5293    |
| 3-0224   | 16        | -2,0959    |
| 3-0421   | 16        | -2,0959    |
| 3-0086   | 19        | -1,7709    |
| 3-0113   | 19        | -1,7709    |
| 3-0030   | 21        | -1,5543    |
| 3-0190   | 22        | -1,4460    |
| 3-0345   | 22        | -1,4460    |
| 3-0046   | 24        | -1,2293    |
| 3-0064   | 24        | -1,2293    |
| 3-0093   | 24        | -1,2293    |
| 3-0151   | 24        | -1,2293    |
| 3-0186   | 24        | -1,2293    |
| 3-0200   | 24        | -1,2293    |
| 3-0416   | 24        | -1,2293    |
| 3-0007   | 25        | -1,1210    |
| 3-0248   | 25        | -1,1210    |
| 3-0364   | 25        | -1,1210    |
| 3-0411   | 25        | -1,1210    |
| 3-0377   | 26        | -1,0126    |
| 3-0011   | 27        | -0,9043    |
| 3-0239   | 27        | -0,9043    |
| 3-0275   | 27        | -0,9043    |
| 3-0147   | 29        | -0,6876    |
| 3-0328   | 30        | -0,5793    |
| 3-0109   | 31        | -0,4710    |
| 3-0174   | 31        | -0,4710    |
| 3-0467   | 31        | -0,4710    |
| 3-0204   | 32        | -0,3626    |
| 3-0263   | 32        | -0,3626    |
| 3-0354   | 32        | -0,3626    |
| 3-0429   | 32        | -0,3626    |
| 3-0461   | 32        | -0,3626    |
| 3-0166   | 33        | -0,2543    |
| 3-0035   | 34        | -0,1460    |
| 3-0040   | 34        | -0,1460    |
| 3-0097   | 34        | -0,1460    |
| 3-0137   | 34        | -0,1460    |
| 3-0333   | 34        | -0,1460    |
| 3-0381   | 34        | -0,1460    |
| 3-0285   | 35        | -0,0377    |
| 3-0392   | 35        | -0,0377    |
| 3-0054   | 36        | 0,0527     |
| 3-0253   | 36        | 0,0527     |
| 3-0397   | 36        | 0,0527     |
| 3-0317   | 37        | 0,1334     |
| 3-0339   | 37        | 0,1334     |
| 3-0050   | 38        | 0,2142     |
| 3-0068   | 38        | 0,2142     |
| 3-0101   | 38        | 0,2142     |
| 3-0160   | 38        | 0,2142     |
| 3-0271   | 38        | 0,2142     |
| 3-0425   | 38        | 0,2142     |
| 3-0434   | 38        | 0,2142     |
| 3-0451   | 38        | 0,2142     |
| 3-0295   | 39        | 0,2949     |
| 3-0487   | 39        | 0,2949     |
| 3-0081   | 40        | 0,3757     |
| 3-0220   | 40        | 0,3757     |
| 3-0373   | 40        | 0,3757     |
| 3-0025   | 41        | 0,4564     |
| 3-0170   | 41        | 0,4564     |
| 3-0322   | 41        | 0,4564     |
| 3-0350   | 41        | 0,4564     |
| 3-0368   | 41        | 0,4564     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0132   | 42        | 0,5372     |
| 3-0243   | 42        | 0,5372     |
| 3-0258   | 42        | 0,5372     |
| 3-0306   | 42        | 0,5372     |
| 3-0405   | 42        | 0,5372     |
| 3-0440   | 43        | 0,6179     |
| 3-0003   | 44        | 0,6986     |
| 3-0074   | 44        | 0,6986     |
| 3-0182   | 44        | 0,6986     |
| 3-0216   | 44        | 0,6986     |
| 3-0360   | 44        | 0,6986     |
| 3-0209   | 45        | 0,7794     |
| 3-0059   | 48        | 1,0216     |
| 3-0123   | 48        | 1,0216     |
| 3-0233   | 48        | 1,0216     |
| 3-0456   | 48        | 1,0216     |
| 3-0021   | 50        | 1,1831     |
| 3-0311   | 50        | 1,1831     |
| 3-0386   | 50        | 1,1831     |
| 3-0178   | 51        | 1,2639     |
| 3-0477   | 51        | 1,2639     |
| 3-0142   | 53        | 1,4254     |
| 3-0447   | 54        | 1,5061     |
| 3-0128   | 58        | 1,8291     |

**Ringversuch:** 3-2013  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Verfahren:** Colilert-18  
**Anzahl Werte:** 28

**Sollwert (Mittelwert nach Hampel):** 24,93  
**Soll-Standardabweichung:** 5,117  
**rel. Soll-Standardabw. [%]:** 20,53  
**Ausschlussgrenze unten:** 15  
**Ausschlussgrenze oben:** 37

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0156   | 12        | -2,7549    |
| 3-0224   | 16        | -1,9024    |
| 3-0421   | 16        | -1,9024    |
| 3-0086   | 19        | -1,2631    |
| 3-0113   | 19        | -1,2631    |
| 3-0030   | 21        | -0,8369    |
| 3-0190   | 22        | -0,6238    |
| 3-0345   | 22        | -0,6238    |
| 3-0046   | 24        | -0,1976    |
| 3-0064   | 24        | -0,1976    |
| 3-0151   | 24        | -0,1976    |
| 3-0186   | 24        | -0,1976    |
| 3-0200   | 24        | -0,1976    |
| 3-0416   | 24        | -0,1976    |
| 3-0007   | 25        | 0,0126     |
| 3-0248   | 25        | 0,0126     |
| 3-0364   | 25        | 0,0126     |
| 3-0411   | 25        | 0,0126     |
| 3-0377   | 26        | 0,1863     |
| 3-0011   | 27        | 0,3599     |
| 3-0239   | 27        | 0,3599     |
| 3-0275   | 27        | 0,3599     |
| 3-0174   | 31        | 1,0543     |
| 3-0204   | 32        | 1,2279     |
| 3-0263   | 32        | 1,2279     |
| 3-0461   | 32        | 1,2279     |
| 3-0381   | 34        | 1,5752     |
| 3-0451   | 38        | 2,2696     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Verfahren:** DIN EN ISO 9308-1  
**Anzahl Werte:** 62

**Sollwert (Mittelwert nach Hampel):** 40,17  
**Soll-Standardabweichung:** 7,027  
**rel. Soll-Standardabw. [%]:** 17,49  
**Ausschlussgrenze unten:** 27  
**Ausschlussgrenze oben:** 56

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0194   | 11        | -4,4781    |
| 3-0093   | 24        | -2,4823    |
| 3-0147   | 29        | -1,7148    |
| 3-0328   | 30        | -1,5612    |
| 3-0109   | 31        | -1,4077    |
| 3-0467   | 31        | -1,4077    |
| 3-0354   | 32        | -1,2542    |
| 3-0429   | 32        | -1,2542    |
| 3-0166   | 33        | -1,1007    |
| 3-0035   | 34        | -0,9472    |
| 3-0040   | 34        | -0,9472    |
| 3-0097   | 34        | -0,9472    |
| 3-0137   | 34        | -0,9472    |
| 3-0333   | 34        | -0,9472    |
| 3-0285   | 35        | -0,7937    |
| 3-0392   | 35        | -0,7937    |
| 3-0054   | 36        | -0,6401    |
| 3-0253   | 36        | -0,6401    |
| 3-0397   | 36        | -0,6401    |
| 3-0317   | 37        | -0,4866    |
| 3-0339   | 37        | -0,4866    |
| 3-0050   | 38        | -0,3331    |
| 3-0068   | 38        | -0,3331    |
| 3-0101   | 38        | -0,3331    |
| 3-0160   | 38        | -0,3331    |
| 3-0271   | 38        | -0,3331    |
| 3-0425   | 38        | -0,3331    |
| 3-0434   | 38        | -0,3331    |
| 3-0295   | 39        | -0,1796    |
| 3-0487   | 39        | -0,1796    |
| 3-0081   | 40        | -0,0261    |
| 3-0220   | 40        | -0,0261    |
| 3-0373   | 40        | -0,0261    |
| 3-0025   | 41        | 0,1070     |
| 3-0170   | 41        | 0,1070     |
| 3-0322   | 41        | 0,1070     |
| 3-0350   | 41        | 0,1070     |
| 3-0368   | 41        | 0,1070     |
| 3-0132   | 42        | 0,2359     |
| 3-0243   | 42        | 0,2359     |
| 3-0258   | 42        | 0,2359     |
| 3-0306   | 42        | 0,2359     |
| 3-0405   | 42        | 0,2359     |
| 3-0440   | 43        | 0,3648     |
| 3-0003   | 44        | 0,4938     |
| 3-0074   | 44        | 0,4938     |
| 3-0182   | 44        | 0,4938     |
| 3-0216   | 44        | 0,4938     |
| 3-0360   | 44        | 0,4938     |
| 3-0209   | 45        | 0,6227     |
| 3-0059   | 48        | 1,0094     |
| 3-0123   | 48        | 1,0094     |
| 3-0233   | 48        | 1,0094     |
| 3-0456   | 48        | 1,0094     |
| 3-0021   | 50        | 1,2672     |
| 3-0311   | 50        | 1,2672     |
| 3-0386   | 50        | 1,2672     |
| 3-0178   | 51        | 1,3962     |
| 3-0477   | 51        | 1,3962     |
| 3-0142   | 53        | 1,6540     |
| 3-0447   | 54        | 1,7829     |
| 3-0128   | 58        | 2,2985     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** D  
**Verfahren:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 91

**Sollwert (Mittelwert nach Hampel):** 32,75  
**Soll-Standardabweichung:** 7,506  
**rel. Soll-Standardabw. [%]:** 22,92  
**Ausschlussgrenze unten:** 19  
**Ausschlussgrenze oben:** 50

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0356   | 18        | -2,1597    |
| 3-0374   | 18        | -2,1597    |
| 3-0167   | 21        | -1,7204    |
| 3-0299   | 21        | -1,7204    |
| 3-0026   | 22        | -1,5739    |
| 3-0148   | 22        | -1,5739    |
| 3-0037   | 23        | -1,4275    |
| 3-0341   | 24        | -1,2810    |
| 3-0399   | 24        | -1,2810    |
| 3-0018   | 25        | -1,1346    |
| 3-0031   | 25        | -1,1346    |
| 3-0210   | 25        | -1,1346    |
| 3-0260   | 25        | -1,1346    |
| 3-0426   | 25        | -1,1346    |
| 3-0129   | 26        | -0,9881    |
| 3-0179   | 26        | -0,9881    |
| 3-0387   | 26        | -0,9881    |
| 3-0471   | 26        | -0,9881    |
| 3-0069   | 27        | -0,8417    |
| 3-0110   | 27        | -0,8417    |
| 3-0115   | 27        | -0,8417    |
| 3-0225   | 27        | -0,8417    |
| 3-0442   | 27        | -0,8417    |
| 3-0047   | 28        | -0,6952    |
| 3-0060   | 28        | -0,6952    |
| 3-0201   | 28        | -0,6952    |
| 3-0323   | 28        | -0,6952    |
| 3-0272   | 29        | -0,5488    |
| 3-0369   | 29        | -0,5488    |
| 3-0378   | 29        | -0,5488    |
| 3-0382   | 29        | -0,5488    |
| 3-0051   | 30        | -0,4023    |
| 3-0075   | 30        | -0,4023    |
| 3-0082   | 30        | -0,4023    |
| 3-0236   | 30        | -0,4023    |
| 3-0245   | 30        | -0,4023    |
| 3-0318   | 30        | -0,4023    |
| 3-0351   | 30        | -0,4023    |
| 3-0418   | 30        | -0,4023    |
| 3-0065   | 31        | -0,2559    |
| 3-0187   | 31        | -0,2559    |
| 3-0335   | 31        | -0,2559    |
| 3-0365   | 31        | -0,2559    |
| 3-0430   | 31        | -0,2559    |
| 3-0230   | 32        | -0,1094    |
| 3-0448   | 32        | -0,1094    |
| 3-0144   | 33        | 0,0294     |
| 3-0157   | 33        | 0,0294     |
| 3-0183   | 33        | 0,0294     |
| 3-0250   | 33        | 0,0294     |
| 3-0125   | 34        | 0,1459     |
| 3-0171   | 34        | 0,1459     |
| 3-0221   | 34        | 0,1459     |
| 3-0347   | 34        | 0,1459     |
| 3-0055   | 35        | 0,2624     |
| 3-0133   | 35        | 0,2624     |
| 3-0240   | 35        | 0,2624     |
| 3-0422   | 35        | 0,2624     |
| 3-0452   | 35        | 0,2624     |
| 3-0102   | 36        | 0,3789     |
| 3-0119   | 36        | 0,3789     |
| 3-0175   | 36        | 0,3789     |
| 3-0191   | 36        | 0,3789     |
| 3-0195   | 36        | 0,3789     |
| 3-0266   | 36        | 0,3789     |
| 3-0329   | 36        | 0,3789     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0012   | 37        | 0,4954     |
| 3-0482   | 37        | 0,4954     |
| 3-0088   | 38        | 0,6118     |
| 3-0276   | 38        | 0,6118     |
| 3-0393   | 38        | 0,6118     |
| 3-0041   | 39        | 0,7283     |
| 3-0205   | 39        | 0,7283     |
| 3-0286   | 39        | 0,7283     |
| 3-0281   | 40        | 0,8448     |
| 3-0406   | 40        | 0,8448     |
| 3-0106   | 41        | 0,9613     |
| 3-0162   | 41        | 0,9613     |
| 3-0004   | 42        | 1,0778     |
| 3-0307   | 42        | 1,0778     |
| 3-0138   | 43        | 1,1943     |
| 3-0457   | 43        | 1,1943     |
| 3-0022   | 44        | 1,3107     |
| 3-0098   | 44        | 1,3107     |
| 3-0094   | 45        | 1,4272     |
| 3-0254   | 45        | 1,4272     |
| 3-0435   | 45        | 1,4272     |
| 3-0153   | 46        | 1,5437     |
| 3-0008   | 47        | 1,6602     |
| 3-0462   | 47        | 1,6602     |
| 3-0412   | 53        | 2,3591     |

**Ringversuch:** 3-2013  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** D  
**Verfahren:** Colilert-18  
**Anzahl Werte:** 29

**Sollwert (Mittelwert nach Hampel):** 30,45  
**Soll-Standardabweichung:** 8,408  
**rel. Soll-Standardabw. [%]:** 27,61  
**Ausschlussgrenze unten:** 15  
**Ausschlussgrenze oben:** 51

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0356   | 18        | -1,6530    |
| 3-0374   | 18        | -1,6530    |
| 3-0167   | 21        | -1,2548    |
| 3-0026   | 22        | -1,1220    |
| 3-0341   | 24        | -0,8565    |
| 3-0018   | 25        | -0,7238    |
| 3-0031   | 25        | -0,7238    |
| 3-0210   | 25        | -0,7238    |
| 3-0426   | 25        | -0,7238    |
| 3-0179   | 26        | -0,5911    |
| 3-0069   | 27        | -0,4583    |
| 3-0115   | 27        | -0,4583    |
| 3-0047   | 28        | -0,3256    |
| 3-0369   | 29        | -0,1928    |
| 3-0378   | 29        | -0,1928    |
| 3-0051   | 30        | -0,0601    |
| 3-0318   | 30        | -0,0601    |
| 3-0365   | 31        | 0,0551     |
| 3-0171   | 34        | 0,3572     |
| 3-0347   | 34        | 0,3572     |
| 3-0055   | 35        | 0,4579     |
| 3-0266   | 36        | 0,5586     |
| 3-0393   | 38        | 0,7599     |
| 3-0041   | 39        | 0,8606     |
| 3-0286   | 39        | 0,8606     |
| 3-0106   | 41        | 1,0620     |
| 3-0162   | 41        | 1,0620     |
| 3-0094   | 45        | 1,4648     |
| 3-0412   | 53        | 2,2703     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** D  
**Verfahren:** DIN EN ISO 9308-1  
**Anzahl Werte:** 62

**Sollwert (Mittelwert nach Hampel):** 33,73  
**Soll-Standardabweichung:** 6,888  
**rel. Soll-Standardabw. [%]:** 20,42  
**Ausschlussgrenze unten:** 21  
**Ausschlussgrenze oben:** 50

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0299   | 21        | -2,0153    |
| 3-0148   | 22        | -1,8571    |
| 3-0037   | 23        | -1,6988    |
| 3-0399   | 24        | -1,5406    |
| 3-0260   | 25        | -1,3823    |
| 3-0129   | 26        | -1,2240    |
| 3-0387   | 26        | -1,2240    |
| 3-0471   | 26        | -1,2240    |
| 3-0110   | 27        | -1,0658    |
| 3-0225   | 27        | -1,0658    |
| 3-0442   | 27        | -1,0658    |
| 3-0060   | 28        | -0,9075    |
| 3-0201   | 28        | -0,9075    |
| 3-0323   | 28        | -0,9075    |
| 3-0272   | 29        | -0,7493    |
| 3-0382   | 29        | -0,7493    |
| 3-0075   | 30        | -0,5910    |
| 3-0082   | 30        | -0,5910    |
| 3-0236   | 30        | -0,5910    |
| 3-0245   | 30        | -0,5910    |
| 3-0351   | 30        | -0,5910    |
| 3-0418   | 30        | -0,5910    |
| 3-0065   | 31        | -0,4328    |
| 3-0187   | 31        | -0,4328    |
| 3-0335   | 31        | -0,4328    |
| 3-0430   | 31        | -0,4328    |
| 3-0230   | 32        | -0,2745    |
| 3-0448   | 32        | -0,2745    |
| 3-0144   | 33        | -0,1162    |
| 3-0157   | 33        | -0,1162    |
| 3-0183   | 33        | -0,1162    |
| 3-0250   | 33        | -0,1162    |
| 3-0125   | 34        | 0,0343     |
| 3-0221   | 34        | 0,0343     |
| 3-0133   | 35        | 0,1633     |
| 3-0240   | 35        | 0,1633     |
| 3-0422   | 35        | 0,1633     |
| 3-0452   | 35        | 0,1633     |
| 3-0102   | 36        | 0,2924     |
| 3-0119   | 36        | 0,2924     |
| 3-0175   | 36        | 0,2924     |
| 3-0191   | 36        | 0,2924     |
| 3-0195   | 36        | 0,2924     |
| 3-0329   | 36        | 0,2924     |
| 3-0012   | 37        | 0,4215     |
| 3-0482   | 37        | 0,4215     |
| 3-0088   | 38        | 0,5505     |
| 3-0276   | 38        | 0,5505     |
| 3-0205   | 39        | 0,6796     |
| 3-0281   | 40        | 0,8087     |
| 3-0406   | 40        | 0,8087     |
| 3-0004   | 42        | 1,0668     |
| 3-0307   | 42        | 1,0668     |
| 3-0138   | 43        | 1,1959     |
| 3-0457   | 43        | 1,1959     |
| 3-0022   | 44        | 1,3250     |
| 3-0098   | 44        | 1,3250     |
| 3-0254   | 45        | 1,4540     |
| 3-0435   | 45        | 1,4540     |
| 3-0153   | 46        | 1,5831     |
| 3-0008   | 47        | 1,7122     |
| 3-0462   | 47        | 1,7122     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Verfahren:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 92

**Sollwert (Mittelwert nach Hampel):** 41,82  
**Soll-Standardabweichung:** 7,923  
**rel. Soll-Standardabw. [%]:** 18,95  
**Ausschlussgrenze unten:** 27  
**Ausschlussgrenze oben:** 60

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0001   | 21        | -2,8494    |
| 3-0383   | 24        | -2,4388    |
| 3-0172   | 26        | -2,1650    |
| 3-0070   | 27        | -2,0282    |
| 3-0342   | 27        | -2,0282    |
| 3-0043   | 30        | -1,6176    |
| 3-0246   | 30        | -1,6176    |
| 3-0287   | 31        | -1,4807    |
| 3-0180   | 32        | -1,3438    |
| 3-0188   | 33        | -1,2070    |
| 3-0192   | 34        | -1,0701    |
| 3-0324   | 35        | -0,9332    |
| 3-0407   | 35        | -0,9332    |
| 3-0032   | 36        | -0,7964    |
| 3-0107   | 36        | -0,7964    |
| 3-0130   | 36        | -0,7964    |
| 3-0139   | 36        | -0,7964    |
| 3-0154   | 36        | -0,7964    |
| 3-0168   | 36        | -0,7964    |
| 3-0273   | 36        | -0,7964    |
| 3-0443   | 36        | -0,7964    |
| 3-0449   | 36        | -0,7964    |
| 3-0453   | 36        | -0,7964    |
| 3-0038   | 37        | -0,6595    |
| 3-0366   | 37        | -0,6595    |
| 3-0375   | 37        | -0,6595    |
| 3-0464   | 37        | -0,6595    |
| 3-0485   | 37        | -0,6595    |
| 3-0076   | 38        | -0,5226    |
| 3-0089   | 38        | -0,5226    |
| 3-0145   | 38        | -0,5226    |
| 3-0202   | 38        | -0,5226    |
| 3-0267   | 38        | -0,5226    |
| 3-0283   | 38        | -0,5226    |
| 3-0330   | 38        | -0,5226    |
| 3-0419   | 38        | -0,5226    |
| 3-0427   | 38        | -0,5226    |
| 3-0474   | 38        | -0,5226    |
| 3-0005   | 39        | -0,3858    |
| 3-0015   | 40        | -0,2489    |
| 3-0061   | 40        | -0,2489    |
| 3-0459   | 40        | -0,2489    |
| 3-0009   | 41        | -0,1120    |
| 3-0048   | 41        | -0,1120    |
| 3-0056   | 41        | -0,1120    |
| 3-0111   | 41        | -0,1120    |
| 3-0413   | 41        | -0,1120    |
| 3-0431   | 41        | -0,1120    |
| 3-0126   | 42        | 0,0206     |
| 3-0336   | 43        | 0,1338     |
| 3-0401   | 43        | 0,1338     |
| 3-0423   | 43        | 0,1338     |
| 3-0019   | 44        | 0,2471     |
| 3-0095   | 44        | 0,2471     |
| 3-0198   | 44        | 0,2471     |
| 3-0277   | 44        | 0,2471     |
| 3-0362   | 44        | 0,2471     |
| 3-0023   | 45        | 0,3604     |
| 3-0052   | 45        | 0,3604     |
| 3-0149   | 45        | 0,3604     |
| 3-0237   | 45        | 0,3604     |
| 3-0241   | 45        | 0,3604     |
| 3-0319   | 45        | 0,3604     |
| 3-0371   | 45        | 0,3604     |
| 3-0379   | 45        | 0,3604     |
| 3-0158   | 46        | 0,4737     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0163   | 46        | 0,4737     |
| 3-0222   | 46        | 0,4737     |
| 3-0348   | 46        | 0,4737     |
| 3-0388   | 46        | 0,4737     |
| 3-0255   | 47        | 0,5870     |
| 3-0028   | 48        | 0,7002     |
| 3-0116   | 48        | 0,7002     |
| 3-0251   | 48        | 0,7002     |
| 3-0395   | 48        | 0,7002     |
| 3-0226   | 49        | 0,8135     |
| 3-0083   | 50        | 0,9268     |
| 3-0135   | 50        | 0,9268     |
| 3-0436   | 50        | 0,9268     |
| 3-0120   | 51        | 1,0401     |
| 3-0301   | 51        | 1,0401     |
| 3-0103   | 52        | 1,1533     |
| 3-0214   | 52        | 1,1533     |
| 3-0261   | 53        | 1,2666     |
| 3-0066   | 54        | 1,3799     |
| 3-0357   | 55        | 1,4932     |
| 3-0218   | 56        | 1,6065     |
| 3-0352   | 56        | 1,6065     |
| 3-0099   | 58        | 1,8330     |
| 3-0176   | 58        | 1,8330     |
| 3-0184   | 62        | 2,2861     |
| 3-0207   | 63        | 2,3994     |

**Ringversuch:** 3-2013  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Verfahren:** Colilert-18  
**Anzahl Werte:** 31

**Sollwert (Mittelwert nach Hampel):** 38,64  
**Soll-Standardabweichung:** 7,279  
**rel. Soll-Standardabw. [%]:** 18,84  
**Ausschlussgrenze unten:** 25  
**Ausschlussgrenze oben:** 55

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0001   | 21        | -2,6270    |
| 3-0070   | 27        | -1,7335    |
| 3-0342   | 27        | -1,7335    |
| 3-0246   | 30        | -1,2867    |
| 3-0287   | 31        | -1,1378    |
| 3-0180   | 32        | -0,9888    |
| 3-0032   | 36        | -0,3932    |
| 3-0130   | 36        | -0,3932    |
| 3-0139   | 36        | -0,3932    |
| 3-0273   | 36        | -0,3932    |
| 3-0443   | 36        | -0,3932    |
| 3-0453   | 36        | -0,3932    |
| 3-0089   | 38        | -0,0953    |
| 3-0145   | 38        | -0,0953    |
| 3-0202   | 38        | -0,0953    |
| 3-0283   | 38        | -0,0953    |
| 3-0330   | 38        | -0,0953    |
| 3-0419   | 38        | -0,0953    |
| 3-0427   | 38        | -0,0953    |
| 3-0015   | 40        | 0,1678     |
| 3-0413   | 41        | 0,2912     |
| 3-0431   | 41        | 0,2912     |
| 3-0126   | 42        | 0,4146     |
| 3-0401   | 43        | 0,5380     |
| 3-0023   | 45        | 0,7847     |
| 3-0052   | 45        | 0,7847     |
| 3-0241   | 45        | 0,7847     |
| 3-0226   | 49        | 1,2783     |
| 3-0436   | 50        | 1,4017     |
| 3-0218   | 56        | 2,1420     |
| 3-0352   | 56        | 2,1420     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Verfahren:** DIN EN ISO 9308-1  
**Anzahl Werte:** 61

**Sollwert (Mittelwert nach Hampel):** 43,38  
**Soll-Standardabweichung:** 7,797  
**rel. Soll-Standardabw. [%]:** 17,97  
**Ausschlussgrenze unten:** 28  
**Ausschlussgrenze oben:** 61

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0383   | 24        | -2,6865    |
| 3-0172   | 26        | -2,4093    |
| 3-0043   | 30        | -1,8549    |
| 3-0188   | 33        | -1,4391    |
| 3-0192   | 34        | -1,3005    |
| 3-0324   | 35        | -1,1619    |
| 3-0407   | 35        | -1,1619    |
| 3-0107   | 36        | -1,0233    |
| 3-0154   | 36        | -1,0233    |
| 3-0168   | 36        | -1,0233    |
| 3-0449   | 36        | -1,0233    |
| 3-0038   | 37        | -0,8847    |
| 3-0366   | 37        | -0,8847    |
| 3-0375   | 37        | -0,8847    |
| 3-0464   | 37        | -0,8847    |
| 3-0485   | 37        | -0,8847    |
| 3-0076   | 38        | -0,7461    |
| 3-0267   | 38        | -0,7461    |
| 3-0474   | 38        | -0,7461    |
| 3-0005   | 39        | -0,6075    |
| 3-0061   | 40        | -0,4689    |
| 3-0459   | 40        | -0,4689    |
| 3-0009   | 41        | -0,3303    |
| 3-0048   | 41        | -0,3303    |
| 3-0056   | 41        | -0,3303    |
| 3-0111   | 41        | -0,3303    |
| 3-0336   | 43        | -0,0531    |
| 3-0423   | 43        | -0,0531    |
| 3-0019   | 44        | 0,0714     |
| 3-0095   | 44        | 0,0714     |
| 3-0198   | 44        | 0,0714     |
| 3-0277   | 44        | 0,0714     |
| 3-0362   | 44        | 0,0714     |
| 3-0149   | 45        | 0,1873     |
| 3-0237   | 45        | 0,1873     |
| 3-0319   | 45        | 0,1873     |
| 3-0371   | 45        | 0,1873     |
| 3-0379   | 45        | 0,1873     |
| 3-0158   | 46        | 0,3031     |
| 3-0163   | 46        | 0,3031     |
| 3-0222   | 46        | 0,3031     |
| 3-0348   | 46        | 0,3031     |
| 3-0388   | 46        | 0,3031     |
| 3-0255   | 47        | 0,4189     |
| 3-0028   | 48        | 0,5348     |
| 3-0116   | 48        | 0,5348     |
| 3-0251   | 48        | 0,5348     |
| 3-0395   | 48        | 0,5348     |
| 3-0083   | 50        | 0,7664     |
| 3-0135   | 50        | 0,7664     |
| 3-0120   | 51        | 0,8823     |
| 3-0301   | 51        | 0,8823     |
| 3-0103   | 52        | 0,9981     |
| 3-0214   | 52        | 0,9981     |
| 3-0261   | 53        | 1,1139     |
| 3-0066   | 54        | 1,2298     |
| 3-0357   | 55        | 1,3456     |
| 3-0099   | 58        | 1,6931     |
| 3-0176   | 58        | 1,6931     |
| 3-0184   | 62        | 2,1564     |
| 3-0207   | 63        | 2,2722     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Verfahren:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 91

**Sollwert (Mittelwert nach Hampel):** 11,39  
**Soll-Standardabweichung:** 4,27  
**rel. Soll-Standardabw. [%]:** 37,51  
**Ausschlussgrenze unten:** 4  
**Ausschlussgrenze oben:** 23

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0332   | 2         | -2,5638    |
| 3-0063   | 4         | -2,0175    |
| 3-0024   | 5         | -1,7443    |
| 3-0100   | 5         | -1,7443    |
| 3-0215   | 5         | -1,7443    |
| 3-0257   | 5         | -1,7443    |
| 3-0136   | 6         | -1,4711    |
| 3-0284   | 6         | -1,4711    |
| 3-0385   | 6         | -1,4711    |
| 3-0067   | 7         | -1,1980    |
| 3-0072   | 7         | -1,1980    |
| 3-0338   | 7         | -1,1980    |
| 3-0016   | 8         | -0,9248    |
| 3-0044   | 8         | -0,9248    |
| 3-0091   | 8         | -0,9248    |
| 3-0177   | 8         | -0,9248    |
| 3-0193   | 8         | -0,9248    |
| 3-0424   | 8         | -0,9248    |
| 3-0445   | 8         | -0,9248    |
| 3-0486   | 8         | -0,9248    |
| 3-0010   | 9         | -0,6516    |
| 3-0033   | 9         | -0,6516    |
| 3-0150   | 9         | -0,6516    |
| 3-0164   | 9         | -0,6516    |
| 3-0189   | 9         | -0,6516    |
| 3-0278   | 9         | -0,6516    |
| 3-0325   | 9         | -0,6516    |
| 3-0349   | 9         | -0,6516    |
| 3-0372   | 9         | -0,6516    |
| 3-0380   | 9         | -0,6516    |
| 3-0414   | 9         | -0,6516    |
| 3-0450   | 9         | -0,6516    |
| 3-0002   | 10        | -0,3784    |
| 3-0053   | 10        | -0,3784    |
| 3-0084   | 10        | -0,3784    |
| 3-0223   | 10        | -0,3784    |
| 3-0262   | 10        | -0,3784    |
| 3-0291   | 10        | -0,3784    |
| 3-0321   | 10        | -0,3784    |
| 3-0396   | 10        | -0,3784    |
| 3-0466   | 10        | -0,3784    |
| 3-0476   | 10        | -0,3784    |
| 3-0006   | 11        | -0,1053    |
| 3-0247   | 11        | -0,1053    |
| 3-0303   | 11        | -0,1053    |
| 3-0310   | 11        | -0,1053    |
| 3-0344   | 11        | -0,1053    |
| 3-0367   | 11        | -0,1053    |
| 3-0376   | 11        | -0,1053    |
| 3-0439   | 11        | -0,1053    |
| 3-0020   | 12        | 0,1144     |
| 3-0080   | 12        | 0,1144     |
| 3-0404   | 12        | 0,1144     |
| 3-0428   | 12        | 0,1144     |
| 3-0029   | 13        | 0,3006     |
| 3-0112   | 13        | 0,3006     |
| 3-0242   | 13        | 0,3006     |
| 3-0315   | 13        | 0,3006     |
| 3-0104   | 14        | 0,4868     |
| 3-0121   | 14        | 0,4868     |
| 3-0146   | 14        | 0,4868     |
| 3-0159   | 14        | 0,4868     |
| 3-0203   | 14        | 0,4868     |
| 3-0274   | 14        | 0,4868     |
| 3-0353   | 14        | 0,4868     |
| 3-0358   | 14        | 0,4868     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0408   | 14        | 0,4868     |
| 3-0039   | 15        | 0,6729     |
| 3-0117   | 15        | 0,6729     |
| 3-0141   | 15        | 0,6729     |
| 3-0155   | 15        | 0,6729     |
| 3-0169   | 15        | 0,6729     |
| 3-0173   | 15        | 0,6729     |
| 3-0181   | 15        | 0,6729     |
| 3-0228   | 15        | 0,6729     |
| 3-0232   | 15        | 0,6729     |
| 3-0363   | 15        | 0,6729     |
| 3-0108   | 16        | 0,8591     |
| 3-0185   | 16        | 0,8591     |
| 3-0208   | 16        | 0,8591     |
| 3-0238   | 16        | 0,8591     |
| 3-0057   | 17        | 1,0453     |
| 3-0131   | 18        | 1,2314     |
| 3-0432   | 18        | 1,2314     |
| 3-0049   | 19        | 1,4176     |
| 3-0219   | 19        | 1,4176     |
| 3-0096   | 20        | 1,6038     |
| 3-0454   | 20        | 1,6038     |
| 3-0420   | 25        | 2,5346     |
| 3-0252   | 27        | 2,9070     |
| 3-0390   | 36        | 4,5825     |

**Ringversuch:** 3-2013  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Verfahren:** Colilert-18  
**Anzahl Werte:** 29

**Sollwert (Mittelwert nach Hampel):** 10,89  
**Soll-Standardabweichung:** 4,57  
**rel. Soll-Standardabw. [%]:** 41,96  
**Ausschlussgrenze unten:** 3  
**Ausschlussgrenze oben:** 23

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0332   | 2         | -2,3459    |
| 3-0024   | 5         | -1,5545    |
| 3-0215   | 5         | -1,5545    |
| 3-0284   | 6         | -1,2907    |
| 3-0193   | 8         | -0,7631    |
| 3-0424   | 8         | -0,7631    |
| 3-0445   | 8         | -0,7631    |
| 3-0164   | 9         | -0,4993    |
| 3-0189   | 9         | -0,4993    |
| 3-0278   | 9         | -0,4993    |
| 3-0349   | 9         | -0,4993    |
| 3-0372   | 9         | -0,4993    |
| 3-0002   | 10        | -0,2355    |
| 3-0262   | 10        | -0,2355    |
| 3-0321   | 10        | -0,2355    |
| 3-0310   | 11        | 0,0183     |
| 3-0439   | 11        | 0,0183     |
| 3-0080   | 12        | 0,1887     |
| 3-0404   | 12        | 0,1887     |
| 3-0428   | 12        | 0,1887     |
| 3-0146   | 14        | 0,5295     |
| 3-0203   | 14        | 0,5295     |
| 3-0117   | 15        | 0,6999     |
| 3-0141   | 15        | 0,6999     |
| 3-0228   | 15        | 0,6999     |
| 3-0232   | 15        | 0,6999     |
| 3-0432   | 18        | 1,2111     |
| 3-0049   | 19        | 1,3815     |
| 3-0252   | 27        | 2,7447     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Verfahren:** DIN EN ISO 9308-1  
**Anzahl Werte:** 62

**Sollwert (Mittelwert nach Hampel):** 11,65  
**Soll-Standardabweichung:** 4,302  
**rel. Soll-Standardabw. [%]:** 36,93  
**Ausschlussgrenze unten:** 4  
**Ausschlussgrenze oben:** 23

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0063   | 4         | -2,0666    |
| 3-0100   | 5         | -1,7964    |
| 3-0257   | 5         | -1,7964    |
| 3-0136   | 6         | -1,5262    |
| 3-0385   | 6         | -1,5262    |
| 3-0067   | 7         | -1,2560    |
| 3-0072   | 7         | -1,2560    |
| 3-0338   | 7         | -1,2560    |
| 3-0016   | 8         | -0,9858    |
| 3-0044   | 8         | -0,9858    |
| 3-0091   | 8         | -0,9858    |
| 3-0177   | 8         | -0,9858    |
| 3-0486   | 8         | -0,9858    |
| 3-0010   | 9         | -0,7156    |
| 3-0033   | 9         | -0,7156    |
| 3-0150   | 9         | -0,7156    |
| 3-0325   | 9         | -0,7156    |
| 3-0380   | 9         | -0,7156    |
| 3-0414   | 9         | -0,7156    |
| 3-0450   | 9         | -0,7156    |
| 3-0053   | 10        | -0,4454    |
| 3-0084   | 10        | -0,4454    |
| 3-0223   | 10        | -0,4454    |
| 3-0291   | 10        | -0,4454    |
| 3-0396   | 10        | -0,4454    |
| 3-0466   | 10        | -0,4454    |
| 3-0476   | 10        | -0,4454    |
| 3-0006   | 11        | -0,1752    |
| 3-0247   | 11        | -0,1752    |
| 3-0303   | 11        | -0,1752    |
| 3-0344   | 11        | -0,1752    |
| 3-0367   | 11        | -0,1752    |
| 3-0376   | 11        | -0,1752    |
| 3-0020   | 12        | 0,0652     |
| 3-0029   | 13        | 0,2506     |
| 3-0112   | 13        | 0,2506     |
| 3-0242   | 13        | 0,2506     |
| 3-0315   | 13        | 0,2506     |
| 3-0104   | 14        | 0,4360     |
| 3-0121   | 14        | 0,4360     |
| 3-0159   | 14        | 0,4360     |
| 3-0274   | 14        | 0,4360     |
| 3-0353   | 14        | 0,4360     |
| 3-0358   | 14        | 0,4360     |
| 3-0408   | 14        | 0,4360     |
| 3-0039   | 15        | 0,6213     |
| 3-0155   | 15        | 0,6213     |
| 3-0169   | 15        | 0,6213     |
| 3-0173   | 15        | 0,6213     |
| 3-0181   | 15        | 0,6213     |
| 3-0363   | 15        | 0,6213     |
| 3-0108   | 16        | 0,8067     |
| 3-0185   | 16        | 0,8067     |
| 3-0208   | 16        | 0,8067     |
| 3-0238   | 16        | 0,8067     |
| 3-0057   | 17        | 0,9921     |
| 3-0131   | 18        | 1,1775     |
| 3-0219   | 19        | 1,3628     |
| 3-0096   | 20        | 1,5482     |
| 3-0454   | 20        | 1,5482     |
| 3-0420   | 25        | 2,4751     |
| 3-0390   | 36        | 4,5142     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Verfahren:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 90

**Sollwert (Mittelwert nach Hampel):** 0  
**Soll-Standardabweichung:** 0  
**rel. Soll-Standardabw. [%]:**  
**Ausschlussgrenze unten:** 0  
**Ausschlussgrenze oben:** 0

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0003   | 0         | 0,0000     |
| 3-0007   | 0         | 0,0000     |
| 3-0011   | 0         | 0,0000     |
| 3-0021   | 0         | 0,0000     |
| 3-0025   | 0         | 0,0000     |
| 3-0030   | 0         | 0,0000     |
| 3-0035   | 0         | 0,0000     |
| 3-0040   | 0         | 0,0000     |
| 3-0046   | 0         | 0,0000     |
| 3-0050   | 0         | 0,0000     |
| 3-0054   | 0         | 0,0000     |
| 3-0059   | 0         | 0,0000     |
| 3-0064   | 0         | 0,0000     |
| 3-0068   | 0         | 0,0000     |
| 3-0074   | 0         | 0,0000     |
| 3-0081   | 0         | 0,0000     |
| 3-0086   | 0         | 0,0000     |
| 3-0093   | 0         | 0,0000     |
| 3-0097   | 0         | 0,0000     |
| 3-0101   | 0         | 0,0000     |
| 3-0105   | 0         | 0,0000     |
| 3-0109   | 0         | 0,0000     |
| 3-0113   | 0         | 0,0000     |
| 3-0123   | 0         | 0,0000     |
| 3-0128   | 0         | 0,0000     |
| 3-0132   | 0         | 0,0000     |
| 3-0137   | 0         | 0,0000     |
| 3-0142   | 0         | 0,0000     |
| 3-0147   | 0         | 0,0000     |
| 3-0151   | 0         | 0,0000     |
| 3-0156   | 0         | 0,0000     |
| 3-0160   | 0         | 0,0000     |
| 3-0166   | 0         | 0,0000     |
| 3-0170   | 0         | 0,0000     |
| 3-0174   | 0         | 0,0000     |
| 3-0178   | 0         | 0,0000     |
| 3-0182   | 0         | 0,0000     |
| 3-0186   | 0         | 0,0000     |
| 3-0190   | 0         | 0,0000     |
| 3-0194   | 0         | 0,0000     |
| 3-0200   | 0         | 0,0000     |
| 3-0204   | 0         | 0,0000     |
| 3-0209   | 0         | 0,0000     |
| 3-0216   | 0         | 0,0000     |
| 3-0220   | 0         | 0,0000     |
| 3-0224   | 0         | 0,0000     |
| 3-0233   | 0         | 0,0000     |
| 3-0239   | 0         | 0,0000     |
| 3-0243   | 0         | 0,0000     |
| 3-0248   | 0         | 0,0000     |
| 3-0253   | 0         | 0,0000     |
| 3-0258   | 0         | 0,0000     |
| 3-0263   | 0         | 0,0000     |
| 3-0271   | 0         | 0,0000     |
| 3-0275   | 0         | 0,0000     |
| 3-0285   | 0         | 0,0000     |
| 3-0295   | 0         | 0,0000     |
| 3-0306   | 0         | 0,0000     |
| 3-0311   | 0         | 0,0000     |
| 3-0317   | 0         | 0,0000     |
| 3-0322   | 0         | 0,0000     |
| 3-0328   | 0         | 0,0000     |
| 3-0333   | 0         | 0,0000     |
| 3-0339   | 0         | 0,0000     |
| 3-0345   | 0         | 0,0000     |
| 3-0350   | 0         | 0,0000     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0360   | 0         | 0,0000     |
| 3-0364   | 0         | 0,0000     |
| 3-0368   | 0         | 0,0000     |
| 3-0373   | 0         | 0,0000     |
| 3-0377   | 0         | 0,0000     |
| 3-0381   | 0         | 0,0000     |
| 3-0386   | 0         | 0,0000     |
| 3-0392   | 0         | 0,0000     |
| 3-0397   | 0         | 0,0000     |
| 3-0405   | 0         | 0,0000     |
| 3-0411   | 0         | 0,0000     |
| 3-0416   | 0         | 0,0000     |
| 3-0421   | 0         | 0,0000     |
| 3-0425   | 0         | 0,0000     |
| 3-0429   | 0         | 0,0000     |
| 3-0434   | 0         | 0,0000     |
| 3-0440   | 0         | 0,0000     |
| 3-0447   | 0         | 0,0000     |
| 3-0451   | 0         | 0,0000     |
| 3-0456   | 0         | 0,0000     |
| 3-0461   | 0         | 0,0000     |
| 3-0467   | 0         | 0,0000     |
| 3-0477   | 0         | 0,0000     |
| 3-0487   | 0         | 0,0000     |

**Ringversuch:** 3-2013  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Verfahren:** Colilert-18  
**Anzahl Werte:** 28

**Sollwert (Mittelwert nach Hampel):** 0  
**Soll-Standardabweichung:** 0  
**rel. Soll-Standardabw. [%]:**  
**Ausschlussgrenze unten:** 0  
**Ausschlussgrenze oben:** 0

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0007   | 0         | 0,0000     |
| 3-0011   | 0         | 0,0000     |
| 3-0030   | 0         | 0,0000     |
| 3-0046   | 0         | 0,0000     |
| 3-0064   | 0         | 0,0000     |
| 3-0086   | 0         | 0,0000     |
| 3-0113   | 0         | 0,0000     |
| 3-0151   | 0         | 0,0000     |
| 3-0156   | 0         | 0,0000     |
| 3-0174   | 0         | 0,0000     |
| 3-0186   | 0         | 0,0000     |
| 3-0190   | 0         | 0,0000     |
| 3-0200   | 0         | 0,0000     |
| 3-0204   | 0         | 0,0000     |
| 3-0224   | 0         | 0,0000     |
| 3-0239   | 0         | 0,0000     |
| 3-0248   | 0         | 0,0000     |
| 3-0263   | 0         | 0,0000     |
| 3-0275   | 0         | 0,0000     |
| 3-0345   | 0         | 0,0000     |
| 3-0364   | 0         | 0,0000     |
| 3-0377   | 0         | 0,0000     |
| 3-0381   | 0         | 0,0000     |
| 3-0411   | 0         | 0,0000     |
| 3-0416   | 0         | 0,0000     |
| 3-0421   | 0         | 0,0000     |
| 3-0451   | 0         | 0,0000     |
| 3-0461   | 0         | 0,0000     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Verfahren:** DIN EN ISO 9308-1  
**Anzahl Werte:** 62

**Sollwert (Mittelwert nach Hampel):** 0  
**Soll-Standardabweichung:** 0  
**rel. Soll-Standardabw. [%]:**  
**Ausschlussgrenze unten:** 0  
**Ausschlussgrenze oben:** 0

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0003   | 0         | 0,0000     |
| 3-0021   | 0         | 0,0000     |
| 3-0025   | 0         | 0,0000     |
| 3-0035   | 0         | 0,0000     |
| 3-0040   | 0         | 0,0000     |
| 3-0050   | 0         | 0,0000     |
| 3-0054   | 0         | 0,0000     |
| 3-0059   | 0         | 0,0000     |
| 3-0068   | 0         | 0,0000     |
| 3-0074   | 0         | 0,0000     |
| 3-0081   | 0         | 0,0000     |
| 3-0093   | 0         | 0,0000     |
| 3-0097   | 0         | 0,0000     |
| 3-0101   | 0         | 0,0000     |
| 3-0105   | 0         | 0,0000     |
| 3-0109   | 0         | 0,0000     |
| 3-0123   | 0         | 0,0000     |
| 3-0128   | 0         | 0,0000     |
| 3-0132   | 0         | 0,0000     |
| 3-0137   | 0         | 0,0000     |
| 3-0142   | 0         | 0,0000     |
| 3-0147   | 0         | 0,0000     |
| 3-0160   | 0         | 0,0000     |
| 3-0166   | 0         | 0,0000     |
| 3-0170   | 0         | 0,0000     |
| 3-0178   | 0         | 0,0000     |
| 3-0182   | 0         | 0,0000     |
| 3-0194   | 0         | 0,0000     |
| 3-0209   | 0         | 0,0000     |
| 3-0216   | 0         | 0,0000     |
| 3-0220   | 0         | 0,0000     |
| 3-0233   | 0         | 0,0000     |
| 3-0243   | 0         | 0,0000     |
| 3-0253   | 0         | 0,0000     |
| 3-0258   | 0         | 0,0000     |
| 3-0271   | 0         | 0,0000     |
| 3-0285   | 0         | 0,0000     |
| 3-0295   | 0         | 0,0000     |
| 3-0306   | 0         | 0,0000     |
| 3-0311   | 0         | 0,0000     |
| 3-0317   | 0         | 0,0000     |
| 3-0322   | 0         | 0,0000     |
| 3-0328   | 0         | 0,0000     |
| 3-0333   | 0         | 0,0000     |
| 3-0339   | 0         | 0,0000     |
| 3-0350   | 0         | 0,0000     |
| 3-0360   | 0         | 0,0000     |
| 3-0368   | 0         | 0,0000     |
| 3-0373   | 0         | 0,0000     |
| 3-0386   | 0         | 0,0000     |
| 3-0392   | 0         | 0,0000     |
| 3-0397   | 0         | 0,0000     |
| 3-0405   | 0         | 0,0000     |
| 3-0425   | 0         | 0,0000     |
| 3-0429   | 0         | 0,0000     |
| 3-0434   | 0         | 0,0000     |
| 3-0440   | 0         | 0,0000     |
| 3-0447   | 0         | 0,0000     |
| 3-0456   | 0         | 0,0000     |
| 3-0467   | 0         | 0,0000     |
| 3-0477   | 0         | 0,0000     |
| 3-0487   | 0         | 0,0000     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** D  
**Verfahren:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 91

**Sollwert (Mittelwert nach Hampel):** 24,72  
**Soll-Standardabweichung:** 7,078  
**rel. Soll-Standardabw. [%]:** 28,63  
**Ausschlussgrenze unten:** 12  
**Ausschlussgrenze oben:** 42

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0471   | 6         | -2,9622    |
| 3-0272   | 10        | -2,3293    |
| 3-0393   | 11        | -2,1711    |
| 3-0323   | 12        | -2,0129    |
| 3-0430   | 13        | -1,8546    |
| 3-0399   | 14        | -1,6964    |
| 3-0378   | 15        | -1,5382    |
| 3-0026   | 16        | -1,3800    |
| 3-0148   | 16        | -1,3800    |
| 3-0210   | 16        | -1,3800    |
| 3-0225   | 16        | -1,3800    |
| 3-0356   | 16        | -1,3800    |
| 3-0374   | 16        | -1,3800    |
| 3-0318   | 17        | -1,2217    |
| 3-0037   | 18        | -1,0635    |
| 3-0175   | 18        | -1,0635    |
| 3-0341   | 18        | -1,0635    |
| 3-0129   | 19        | -0,9053    |
| 3-0167   | 19        | -0,9053    |
| 3-0260   | 19        | -0,9053    |
| 3-0069   | 20        | -0,7471    |
| 3-0299   | 20        | -0,7471    |
| 3-0018   | 21        | -0,5888    |
| 3-0144   | 21        | -0,5888    |
| 3-0236   | 21        | -0,5888    |
| 3-0382   | 21        | -0,5888    |
| 3-0442   | 21        | -0,5888    |
| 3-0031   | 22        | -0,4306    |
| 3-0060   | 22        | -0,4306    |
| 3-0065   | 22        | -0,4306    |
| 3-0187   | 22        | -0,4306    |
| 3-0195   | 22        | -0,4306    |
| 3-0335   | 22        | -0,4306    |
| 3-0347   | 22        | -0,4306    |
| 3-0369   | 22        | -0,4306    |
| 3-0387   | 22        | -0,4306    |
| 3-0047   | 23        | -0,2724    |
| 3-0201   | 23        | -0,2724    |
| 3-0245   | 23        | -0,2724    |
| 3-0082   | 24        | -0,1142    |
| 3-0351   | 24        | -0,1142    |
| 3-0426   | 24        | -0,1142    |
| 3-0448   | 24        | -0,1142    |
| 3-0106   | 25        | 0,0331     |
| 3-0110   | 25        | 0,0331     |
| 3-0125   | 25        | 0,0331     |
| 3-0179   | 25        | 0,0331     |
| 3-0183   | 25        | 0,0331     |
| 3-0230   | 25        | 0,0331     |
| 3-0422   | 25        | 0,0331     |
| 3-0051   | 26        | 0,1518     |
| 3-0133   | 26        | 0,1518     |
| 3-0240   | 26        | 0,1518     |
| 3-0329   | 26        | 0,1518     |
| 3-0075   | 27        | 0,2706     |
| 3-0115   | 27        | 0,2706     |
| 3-0162   | 27        | 0,2706     |
| 3-0221   | 27        | 0,2706     |
| 3-0250   | 27        | 0,2706     |
| 3-0266   | 27        | 0,2706     |
| 3-0365   | 27        | 0,2706     |
| 3-0482   | 27        | 0,2706     |
| 3-0012   | 28        | 0,3894     |
| 3-0041   | 28        | 0,3894     |
| 3-0157   | 28        | 0,3894     |
| 3-0276   | 28        | 0,3894     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0004   | 29        | 0,5082     |
| 3-0055   | 29        | 0,5082     |
| 3-0088   | 29        | 0,5082     |
| 3-0119   | 29        | 0,5082     |
| 3-0171   | 29        | 0,5082     |
| 3-0281   | 29        | 0,5082     |
| 3-0138   | 30        | 0,6269     |
| 3-0406   | 30        | 0,6269     |
| 3-0418   | 30        | 0,6269     |
| 3-0452   | 30        | 0,6269     |
| 3-0191   | 32        | 0,8645     |
| 3-0102   | 33        | 0,9832     |
| 3-0462   | 33        | 0,9832     |
| 3-0022   | 34        | 1,1020     |
| 3-0205   | 34        | 1,1020     |
| 3-0254   | 34        | 1,1020     |
| 3-0008   | 35        | 1,2208     |
| 3-0307   | 35        | 1,2208     |
| 3-0457   | 35        | 1,2208     |
| 3-0153   | 36        | 1,3396     |
| 3-0435   | 36        | 1,3396     |
| 3-0094   | 38        | 1,5771     |
| 3-0098   | 39        | 1,6959     |
| 3-0286   | 39        | 1,6959     |
| 3-0412   | 41        | 1,9334     |

**Ringversuch:** 3-2013  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** D  
**Verfahren:** Colilert-18  
**Anzahl Werte:** 29

**Sollwert (Mittelwert nach Hampel):** 23,1  
**Soll-Standardabweichung:** 6,85  
**rel. Soll-Standardabw. [%]:** 29,65  
**Ausschlussgrenze unten:** 10  
**Ausschlussgrenze oben:** 40

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0393   | 11        | -1,9855    |
| 3-0378   | 15        | -1,3292    |
| 3-0026   | 16        | -1,1652    |
| 3-0210   | 16        | -1,1652    |
| 3-0356   | 16        | -1,1652    |
| 3-0374   | 16        | -1,1652    |
| 3-0318   | 17        | -1,0011    |
| 3-0341   | 18        | -0,8370    |
| 3-0167   | 19        | -0,6730    |
| 3-0069   | 20        | -0,5089    |
| 3-0018   | 21        | -0,3449    |
| 3-0031   | 22        | -0,1808    |
| 3-0347   | 22        | -0,1808    |
| 3-0369   | 22        | -0,1808    |
| 3-0047   | 23        | -0,0167    |
| 3-0426   | 24        | 0,1094     |
| 3-0106   | 25        | 0,2313     |
| 3-0179   | 25        | 0,2313     |
| 3-0051   | 26        | 0,3531     |
| 3-0115   | 27        | 0,4750     |
| 3-0162   | 27        | 0,4750     |
| 3-0266   | 27        | 0,4750     |
| 3-0365   | 27        | 0,4750     |
| 3-0041   | 28        | 0,5969     |
| 3-0055   | 29        | 0,7187     |
| 3-0171   | 29        | 0,7187     |
| 3-0094   | 38        | 1,8154     |
| 3-0286   | 39        | 1,9373     |
| 3-0412   | 41        | 2,1810     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** D  
**Verfahren:** DIN EN ISO 9308-1  
**Anzahl Werte:** 62

**Sollwert (Mittelwert nach Hampel):** 25,46  
**Soll-Standardabweichung:** 6,976  
**rel. Soll-Standardabw. [%]:** 27,39  
**Ausschlussgrenze unten:** 12  
**Ausschlussgrenze oben:** 42

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0471   | 6         | -3,1119    |
| 3-0272   | 10        | -2,4724    |
| 3-0323   | 12        | -2,1526    |
| 3-0430   | 13        | -1,9927    |
| 3-0399   | 14        | -1,8329    |
| 3-0148   | 16        | -1,5131    |
| 3-0225   | 16        | -1,5131    |
| 3-0037   | 18        | -1,1934    |
| 3-0175   | 18        | -1,1934    |
| 3-0129   | 19        | -1,0335    |
| 3-0260   | 19        | -1,0335    |
| 3-0299   | 20        | -0,8736    |
| 3-0144   | 21        | -0,7137    |
| 3-0236   | 21        | -0,7137    |
| 3-0382   | 21        | -0,7137    |
| 3-0442   | 21        | -0,7137    |
| 3-0060   | 22        | -0,5539    |
| 3-0065   | 22        | -0,5539    |
| 3-0187   | 22        | -0,5539    |
| 3-0195   | 22        | -0,5539    |
| 3-0335   | 22        | -0,5539    |
| 3-0387   | 22        | -0,5539    |
| 3-0201   | 23        | -0,3940    |
| 3-0245   | 23        | -0,3940    |
| 3-0082   | 24        | -0,2341    |
| 3-0351   | 24        | -0,2341    |
| 3-0448   | 24        | -0,2341    |
| 3-0110   | 25        | -0,0742    |
| 3-0125   | 25        | -0,0742    |
| 3-0183   | 25        | -0,0742    |
| 3-0230   | 25        | -0,0742    |
| 3-0422   | 25        | -0,0742    |
| 3-0133   | 26        | 0,0651     |
| 3-0240   | 26        | 0,0651     |
| 3-0329   | 26        | 0,0651     |
| 3-0075   | 27        | 0,1866     |
| 3-0221   | 27        | 0,1866     |
| 3-0250   | 27        | 0,1866     |
| 3-0482   | 27        | 0,1866     |
| 3-0012   | 28        | 0,3082     |
| 3-0157   | 28        | 0,3082     |
| 3-0276   | 28        | 0,3082     |
| 3-0004   | 29        | 0,4297     |
| 3-0088   | 29        | 0,4297     |
| 3-0119   | 29        | 0,4297     |
| 3-0281   | 29        | 0,4297     |
| 3-0138   | 30        | 0,5513     |
| 3-0406   | 30        | 0,5513     |
| 3-0418   | 30        | 0,5513     |
| 3-0452   | 30        | 0,5513     |
| 3-0191   | 32        | 0,7944     |
| 3-0102   | 33        | 0,9159     |
| 3-0462   | 33        | 0,9159     |
| 3-0022   | 34        | 1,0374     |
| 3-0205   | 34        | 1,0374     |
| 3-0254   | 34        | 1,0374     |
| 3-0008   | 35        | 1,1590     |
| 3-0307   | 35        | 1,1590     |
| 3-0457   | 35        | 1,1590     |
| 3-0153   | 36        | 1,2805     |
| 3-0435   | 36        | 1,2805     |
| 3-0098   | 39        | 1,6451     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Verfahren:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 100

**Sollwert (Mittelwert nach Hampel):** 23,12

**Soll-Standardabweichung:** 6,863

**rel. Soll-Standardabw. [%]:** 29,69

**Ausschlussgrenze unten:** 10

**Ausschlussgrenze oben:** 40

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0430   | 10        | -2,1483    |
| 3-0459   | 11        | -1,9845    |
| 3-0129   | 13        | -1,6570    |
| 3-0267   | 13        | -1,6570    |
| 3-0001   | 14        | -1,4932    |
| 3-0070   | 15        | -1,3294    |
| 3-0075   | 15        | -1,3294    |
| 3-0180   | 15        | -1,3294    |
| 3-0286   | 15        | -1,3294    |
| 3-0371   | 15        | -1,3294    |
| 3-0404   | 15        | -1,3294    |
| 3-0425   | 15        | -1,3294    |
| 3-0440   | 15        | -1,3294    |
| 3-0046   | 16        | -1,1657    |
| 3-0132   | 16        | -1,1657    |
| 3-0166   | 16        | -1,1657    |
| 3-0199   | 16        | -1,1657    |
| 3-0251   | 16        | -1,1657    |
| 3-0434   | 16        | -1,1657    |
| 3-0059   | 17        | -1,0019    |
| 3-0121   | 17        | -1,0019    |
| 3-0016   | 18        | -0,8381    |
| 3-0155   | 18        | -0,8381    |
| 3-0240   | 18        | -0,8381    |
| 3-0262   | 18        | -0,8381    |
| 3-0307   | 18        | -0,8381    |
| 3-0086   | 19        | -0,6744    |
| 3-0228   | 19        | -0,6744    |
| 3-0254   | 19        | -0,6744    |
| 3-0446   | 19        | -0,6744    |
| 3-0041   | 20        | -0,5106    |
| 3-0112   | 20        | -0,5106    |
| 3-0136   | 20        | -0,5106    |
| 3-0383   | 20        | -0,5106    |
| 3-0029   | 21        | -0,3468    |
| 3-0100   | 21        | -0,3468    |
| 3-0193   | 21        | -0,3468    |
| 3-0210   | 21        | -0,3468    |
| 3-0273   | 21        | -0,3468    |
| 3-0339   | 21        | -0,3468    |
| 3-0416   | 21        | -0,3468    |
| 3-0141   | 22        | -0,1830    |
| 3-0159   | 22        | -0,1830    |
| 3-0203   | 22        | -0,1830    |
| 3-0222   | 22        | -0,1830    |
| 3-0011   | 23        | -0,0193    |
| 3-0037   | 23        | -0,0193    |
| 3-0109   | 23        | -0,0193    |
| 3-0311   | 23        | -0,0193    |
| 3-0335   | 23        | -0,0193    |
| 3-0344   | 23        | -0,0193    |
| 3-0356   | 23        | -0,0193    |
| 3-0097   | 24        | 0,1073     |
| 3-0125   | 24        | 0,1073     |
| 3-0151   | 24        | 0,1073     |
| 3-0173   | 24        | 0,1073     |
| 3-0207   | 24        | 0,1073     |
| 3-0258   | 24        | 0,1073     |
| 3-0466   | 24        | 0,1073     |
| 3-0024   | 25        | 0,2289     |
| 3-0169   | 25        | 0,2289     |
| 3-0184   | 25        | 0,2289     |
| 3-0188   | 25        | 0,2289     |
| 3-0277   | 25        | 0,2289     |
| 3-0379   | 25        | 0,2289     |
| 3-0324   | 26        | 0,3505     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0390   | 26        | 0,3505     |
| 3-0453   | 26        | 0,3505     |
| 3-0033   | 27        | 0,4721     |
| 3-0063   | 27        | 0,4721     |
| 3-0317   | 27        | 0,4721     |
| 3-0365   | 27        | 0,4721     |
| 3-0387   | 27        | 0,4721     |
| 3-0483   | 27        | 0,4721     |
| 3-0008   | 28        | 0,5937     |
| 3-0103   | 28        | 0,5937     |
| 3-0232   | 28        | 0,5937     |
| 3-0422   | 28        | 0,5937     |
| 3-0067   | 29        | 0,7153     |
| 3-0177   | 29        | 0,7153     |
| 3-0245   | 29        | 0,7153     |
| 3-0291   | 29        | 0,7153     |
| 3-0476   | 29        | 0,7153     |
| 3-0237   | 30        | 0,8369     |
| 3-0281   | 30        | 0,8369     |
| 3-0396   | 30        | 0,8369     |
| 3-0021   | 31        | 0,9585     |
| 3-0050   | 31        | 0,9585     |
| 3-0054   | 31        | 0,9585     |
| 3-0106   | 31        | 0,9585     |
| 3-0148   | 31        | 0,9585     |
| 3-0082   | 34        | 1,3232     |
| 3-0407   | 34        | 1,3232     |
| 3-0004   | 35        | 1,4448     |
| 3-0093   | 37        | 1,6880     |
| 3-0299   | 38        | 1,8096     |
| 3-0374   | 39        | 1,9312     |
| 3-0216   | 43        | 2,4176     |
| 3-0329   | 47        | 2,9040     |
| 3-0351   | 47        | 2,9040     |

**Ringversuch:** 3-2013  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Verfahren:** Chromocult  
**Anzahl Werte:** 4

**Sollwert (Mittelwert nach Hampel):** 19,5  
**Soll-Standardabweichung:** 4,438  
**rel. Soll-Standardabw. [%]:** 22,76  
**Ausschlussgrenze unten:** 11  
**Ausschlussgrenze oben:** 30

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0199   | 16        | -0,8664    |
| 3-0446   | 19        | -0,1238    |
| 3-0273   | 21        | 0,2958     |
| 3-0159   | 22        | 0,4930     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Verfahren:** DIN EN ISO 7899-2  
**Anzahl Werte:** 96

**Sollwert (Mittelwert nach Hampel):** 23,31  
**Soll-Standardabweichung:** 6,97  
**rel. Soll-Standardabw. [%]:** 29,90  
**Ausschlussgrenze unten:** 10  
**Ausschlussgrenze oben:** 41

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0430   | 10        | -2,1486    |
| 3-0459   | 11        | -1,9872    |
| 3-0129   | 13        | -1,6644    |
| 3-0267   | 13        | -1,6644    |
| 3-0001   | 14        | -1,5030    |
| 3-0070   | 15        | -1,3417    |
| 3-0075   | 15        | -1,3417    |
| 3-0180   | 15        | -1,3417    |
| 3-0286   | 15        | -1,3417    |
| 3-0371   | 15        | -1,3417    |
| 3-0404   | 15        | -1,3417    |
| 3-0425   | 15        | -1,3417    |
| 3-0440   | 15        | -1,3417    |
| 3-0046   | 16        | -1,1803    |
| 3-0132   | 16        | -1,1803    |
| 3-0166   | 16        | -1,1803    |
| 3-0251   | 16        | -1,1803    |
| 3-0434   | 16        | -1,1803    |
| 3-0059   | 17        | -1,0189    |
| 3-0121   | 17        | -1,0189    |
| 3-0016   | 18        | -0,8575    |
| 3-0155   | 18        | -0,8575    |
| 3-0240   | 18        | -0,8575    |
| 3-0262   | 18        | -0,8575    |
| 3-0307   | 18        | -0,8575    |
| 3-0086   | 19        | -0,6961    |
| 3-0228   | 19        | -0,6961    |
| 3-0254   | 19        | -0,6961    |
| 3-0041   | 20        | -0,5347    |
| 3-0112   | 20        | -0,5347    |
| 3-0136   | 20        | -0,5347    |
| 3-0383   | 20        | -0,5347    |
| 3-0029   | 21        | -0,3733    |
| 3-0100   | 21        | -0,3733    |
| 3-0193   | 21        | -0,3733    |
| 3-0210   | 21        | -0,3733    |
| 3-0339   | 21        | -0,3733    |
| 3-0416   | 21        | -0,3733    |
| 3-0141   | 22        | -0,2119    |
| 3-0203   | 22        | -0,2119    |
| 3-0222   | 22        | -0,2119    |
| 3-0011   | 23        | -0,0506    |
| 3-0037   | 23        | -0,0506    |
| 3-0109   | 23        | -0,0506    |
| 3-0311   | 23        | -0,0506    |
| 3-0335   | 23        | -0,0506    |
| 3-0344   | 23        | -0,0506    |
| 3-0356   | 23        | -0,0506    |
| 3-0097   | 24        | 0,0821     |
| 3-0125   | 24        | 0,0821     |
| 3-0151   | 24        | 0,0821     |
| 3-0173   | 24        | 0,0821     |
| 3-0207   | 24        | 0,0821     |
| 3-0258   | 24        | 0,0821     |
| 3-0466   | 24        | 0,0821     |
| 3-0024   | 25        | 0,2017     |
| 3-0169   | 25        | 0,2017     |
| 3-0184   | 25        | 0,2017     |
| 3-0188   | 25        | 0,2017     |
| 3-0277   | 25        | 0,2017     |
| 3-0379   | 25        | 0,2017     |
| 3-0324   | 26        | 0,3213     |
| 3-0390   | 26        | 0,3213     |
| 3-0453   | 26        | 0,3213     |
| 3-0033   | 27        | 0,4408     |
| 3-0063   | 27        | 0,4408     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0317   | 27        | 0,4408     |
| 3-0365   | 27        | 0,4408     |
| 3-0387   | 27        | 0,4408     |
| 3-0483   | 27        | 0,4408     |
| 3-0008   | 28        | 0,5604     |
| 3-0103   | 28        | 0,5604     |
| 3-0232   | 28        | 0,5604     |
| 3-0422   | 28        | 0,5604     |
| 3-0067   | 29        | 0,6800     |
| 3-0177   | 29        | 0,6800     |
| 3-0245   | 29        | 0,6800     |
| 3-0291   | 29        | 0,6800     |
| 3-0476   | 29        | 0,6800     |
| 3-0237   | 30        | 0,7995     |
| 3-0281   | 30        | 0,7995     |
| 3-0396   | 30        | 0,7995     |
| 3-0021   | 31        | 0,9191     |
| 3-0050   | 31        | 0,9191     |
| 3-0054   | 31        | 0,9191     |
| 3-0106   | 31        | 0,9191     |
| 3-0148   | 31        | 0,9191     |
| 3-0082   | 34        | 1,2778     |
| 3-0407   | 34        | 1,2778     |
| 3-0004   | 35        | 1,3974     |
| 3-0093   | 37        | 1,6365     |
| 3-0299   | 38        | 1,7561     |
| 3-0374   | 39        | 1,8756     |
| 3-0216   | 43        | 2,3539     |
| 3-0329   | 47        | 2,8322     |
| 3-0351   | 47        | 2,8322     |

**Ringversuch:** 3-2013  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Verfahren:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 99

**Sollwert (Mittelwert nach Hampel):** 101,7  
**Soll-Standardabweichung:** 16,4  
**rel. Soll-Standardabw. [%]:** 16,12  
**Ausschlussgrenze unten:** 71  
**Ausschlussgrenze oben:** 138

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0247   | 62        | -2,5998    |
| 3-0283   | 62        | -2,5998    |
| 3-0362   | 62        | -2,5998    |
| 3-0005   | 68        | -2,2072    |
| 3-0423   | 69        | -2,1418    |
| 3-0123   | 71        | -2,0109    |
| 3-0431   | 73        | -1,8801    |
| 3-0208   | 79        | -1,4875    |
| 3-0405   | 81        | -1,3566    |
| 3-0223   | 83        | -1,2258    |
| 3-0388   | 83        | -1,2258    |
| 3-0295   | 84        | -1,1603    |
| 3-0325   | 84        | -1,1603    |
| 3-0065   | 87        | -0,9640    |
| 3-0288   | 87        | -0,9640    |
| 3-0313   | 88        | -0,8986    |
| 3-0048   | 90        | -0,7677    |
| 3-0052   | 90        | -0,7677    |
| 3-0178   | 90        | -0,7677    |
| 3-0367   | 90        | -0,7677    |
| 3-0467   | 90        | -0,7677    |
| 3-0233   | 91        | -0,7023    |
| 3-0278   | 91        | -0,7023    |
| 3-0336   | 91        | -0,7023    |
| 3-0002   | 92        | -0,6369    |
| 3-0095   | 92        | -0,6369    |
| 3-0115   | 92        | -0,6369    |
| 3-0456   | 92        | -0,6369    |
| 3-0442   | 93        | -0,5715    |
| 3-0376   | 94        | -0,5060    |
| 3-0477   | 94        | -0,5060    |
| 3-0238   | 95        | -0,4406    |
| 3-0341   | 95        | -0,4406    |
| 3-0098   | 96        | -0,3752    |
| 3-0200   | 96        | -0,3752    |
| 3-0449   | 96        | -0,3752    |
| 3-0012   | 97        | -0,3097    |
| 3-0252   | 97        | -0,3097    |
| 3-0380   | 97        | -0,3097    |
| 3-0056   | 98        | -0,2443    |
| 3-0194   | 98        | -0,2443    |
| 3-0348   | 98        | -0,2443    |
| 3-0419   | 98        | -0,2443    |
| 3-0157   | 99        | -0,1789    |
| 3-0260   | 99        | -0,1789    |
| 3-0319   | 99        | -0,1789    |
| 3-0182   | 100       | -0,1134    |
| 3-0190   | 100       | -0,1134    |
| 3-0242   | 100       | -0,1134    |
| 3-0022   | 101       | -0,0480    |
| 3-0255   | 101       | -0,0480    |
| 3-0213   | 102       | 0,0148     |
| 3-0039   | 103       | 0,0705     |
| 3-0068   | 103       | 0,0705     |
| 3-0072   | 103       | 0,0705     |
| 3-0104   | 103       | 0,0705     |
| 3-0110   | 103       | 0,0705     |
| 3-0149   | 103       | 0,0705     |
| 3-0160   | 103       | 0,0705     |
| 3-0300   | 103       | 0,0705     |
| 3-0353   | 105       | 0,1819     |
| 3-0119   | 106       | 0,2376     |
| 3-0271   | 106       | 0,2376     |
| 3-0427   | 106       | 0,2376     |
| 3-0025   | 107       | 0,2933     |
| 3-0167   | 107       | 0,2933     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0030   | 108       | 0,3490     |
| 3-0107   | 108       | 0,3490     |
| 3-0170   | 108       | 0,3490     |
| 3-0034   | 109       | 0,4047     |
| 3-0153   | 109       | 0,4047     |
| 3-0043   | 110       | 0,4604     |
| 3-0076   | 110       | 0,4604     |
| 3-0489   | 110       | 0,4604     |
| 3-0133   | 111       | 0,5161     |
| 3-0204   | 112       | 0,5718     |
| 3-0274   | 113       | 0,6275     |
| 3-0435   | 113       | 0,6275     |
| 3-0137   | 115       | 0,7389     |
| 3-0385   | 116       | 0,7946     |
| 3-0144   | 118       | 0,9060     |
| 3-0185   | 119       | 0,9617     |
| 3-0332   | 119       | 0,9617     |
| 3-0130   | 120       | 1,0174     |
| 3-0397   | 120       | 1,0174     |
| 3-0219   | 124       | 1,2402     |
| 3-0083   | 127       | 1,4073     |
| 3-0392   | 128       | 1,4630     |
| 3-0088   | 129       | 1,5187     |
| 3-0060   | 130       | 1,5744     |
| 3-0009   | 132       | 1,6858     |
| 3-0408   | 133       | 1,7415     |
| 3-0230   | 137       | 1,9643     |
| 3-0263   | 138       | 2,0200     |
| 3-0174   | 139       | 2,0757     |
| 3-0101   | 143       | 2,2985     |
| 3-0358   | 145       | 2,4099     |
| 3-0372   | 160       | 3,2454     |
| 3-0018   | 201       | 5,5291     |

**Ringversuch:** 3-2013  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Verfahren:** Chromocult  
**Anzahl Werte:** 4

**Sollwert (Mittelwert nach Hampel):** 108,2  
**Soll-Standardabweichung:** 24,41  
**rel. Soll-Standardabw. [%]:** 22,55  
**Ausschlussgrenze unten:** 63  
**Ausschlussgrenze oben:** 164

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0313   | 88        | -0,9108    |
| 3-0157   | 99        | -0,4160    |
| 3-0167   | 107       | -0,0562    |
| 3-0174   | 139       | 1,1041     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Verfahren:** DIN EN ISO 7899-2  
**Anzahl Werte:** 95

**Sollwert (Mittelwert nach Hampel):** 101,6

**Soll-Standardabweichung:** 16,42

**rel. Soll-Standardabw. [%]:** 16,17

**Ausschlussgrenze unten:** 70

**Ausschlussgrenze oben:** 138

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0247   | 62        | -2,5859    |
| 3-0283   | 62        | -2,5859    |
| 3-0362   | 62        | -2,5859    |
| 3-0005   | 68        | -2,1937    |
| 3-0423   | 69        | -2,1283    |
| 3-0123   | 71        | -1,9976    |
| 3-0431   | 73        | -1,8669    |
| 3-0208   | 79        | -1,4746    |
| 3-0405   | 81        | -1,3439    |
| 3-0223   | 83        | -1,2131    |
| 3-0388   | 83        | -1,2131    |
| 3-0295   | 84        | -1,1478    |
| 3-0325   | 84        | -1,1478    |
| 3-0065   | 87        | -0,9516    |
| 3-0288   | 87        | -0,9516    |
| 3-0048   | 90        | -0,7555    |
| 3-0052   | 90        | -0,7555    |
| 3-0178   | 90        | -0,7555    |
| 3-0367   | 90        | -0,7555    |
| 3-0467   | 90        | -0,7555    |
| 3-0233   | 91        | -0,6901    |
| 3-0278   | 91        | -0,6901    |
| 3-0336   | 91        | -0,6901    |
| 3-0002   | 92        | -0,6248    |
| 3-0095   | 92        | -0,6248    |
| 3-0115   | 92        | -0,6248    |
| 3-0456   | 92        | -0,6248    |
| 3-0442   | 93        | -0,5594    |
| 3-0376   | 94        | -0,4940    |
| 3-0477   | 94        | -0,4940    |
| 3-0238   | 95        | -0,4287    |
| 3-0341   | 95        | -0,4287    |
| 3-0098   | 96        | -0,3633    |
| 3-0200   | 96        | -0,3633    |
| 3-0449   | 96        | -0,3633    |
| 3-0012   | 97        | -0,2979    |
| 3-0252   | 97        | -0,2979    |
| 3-0380   | 97        | -0,2979    |
| 3-0056   | 98        | -0,2325    |
| 3-0194   | 98        | -0,2325    |
| 3-0348   | 98        | -0,2325    |
| 3-0419   | 98        | -0,2325    |
| 3-0260   | 99        | -0,1672    |
| 3-0319   | 99        | -0,1672    |
| 3-0182   | 100       | -0,1018    |
| 3-0190   | 100       | -0,1018    |
| 3-0242   | 100       | -0,1018    |
| 3-0022   | 101       | -0,0364    |
| 3-0255   | 101       | -0,0364    |
| 3-0213   | 102       | 0,0246     |
| 3-0039   | 103       | 0,0803     |
| 3-0068   | 103       | 0,0803     |
| 3-0072   | 103       | 0,0803     |
| 3-0104   | 103       | 0,0803     |
| 3-0110   | 103       | 0,0803     |
| 3-0149   | 103       | 0,0803     |
| 3-0160   | 103       | 0,0803     |
| 3-0300   | 103       | 0,0803     |
| 3-0353   | 105       | 0,1915     |
| 3-0119   | 106       | 0,2471     |
| 3-0271   | 106       | 0,2471     |
| 3-0427   | 106       | 0,2471     |
| 3-0025   | 107       | 0,3028     |
| 3-0030   | 108       | 0,3584     |
| 3-0107   | 108       | 0,3584     |
| 3-0170   | 108       | 0,3584     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0034   | 109       | 0,4140     |
| 3-0153   | 109       | 0,4140     |
| 3-0043   | 110       | 0,4696     |
| 3-0076   | 110       | 0,4696     |
| 3-0489   | 110       | 0,4696     |
| 3-0133   | 111       | 0,5253     |
| 3-0204   | 112       | 0,5809     |
| 3-0274   | 113       | 0,6365     |
| 3-0435   | 113       | 0,6365     |
| 3-0137   | 115       | 0,7478     |
| 3-0385   | 116       | 0,8034     |
| 3-0144   | 118       | 0,9146     |
| 3-0185   | 119       | 0,9703     |
| 3-0332   | 119       | 0,9703     |
| 3-0130   | 120       | 1,0259     |
| 3-0397   | 120       | 1,0259     |
| 3-0219   | 124       | 1,2484     |
| 3-0083   | 127       | 1,4153     |
| 3-0392   | 128       | 1,4709     |
| 3-0088   | 129       | 1,5265     |
| 3-0060   | 130       | 1,5821     |
| 3-0009   | 132       | 1,6934     |
| 3-0408   | 133       | 1,7490     |
| 3-0230   | 137       | 1,9715     |
| 3-0263   | 138       | 2,0271     |
| 3-0101   | 143       | 2,3053     |
| 3-0358   | 145       | 2,4165     |
| 3-0372   | 160       | 3,2509     |
| 3-0018   | 201       | 5,5315     |

**Ringversuch:** 3-2013  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Verfahren:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 100

**Sollwert (Mittelwert nach Hampel):** 59,43  
**Soll-Standardabweichung:** 10,33  
**rel. Soll-Standardabw. [%]:** 17,38  
**Ausschlussgrenze unten:** 40  
**Ausschlussgrenze oben:** 83

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0363   | 38        | -2,2374    |
| 3-0007   | 41        | -1,9241    |
| 3-0338   | 42        | -1,8197    |
| 3-0310   | 43        | -1,7153    |
| 3-0172   | 44        | -1,6108    |
| 3-0360   | 44        | -1,6108    |
| 3-0049   | 47        | -1,2976    |
| 3-0266   | 47        | -1,2976    |
| 3-0399   | 47        | -1,2976    |
| 3-0150   | 48        | -1,1931    |
| 3-0239   | 48        | -1,1931    |
| 3-0091   | 49        | -1,0887    |
| 3-0250   | 49        | -1,0887    |
| 3-0102   | 50        | -0,9843    |
| 3-0243   | 50        | -0,9843    |
| 3-0452   | 50        | -0,9843    |
| 3-0116   | 51        | -0,8798    |
| 3-0342   | 51        | -0,8798    |
| 3-0432   | 51        | -0,8798    |
| 3-0183   | 52        | -0,7754    |
| 3-0261   | 52        | -0,7754    |
| 3-0406   | 52        | -0,7754    |
| 3-0108   | 53        | -0,6710    |
| 3-0124   | 53        | -0,6710    |
| 3-0201   | 53        | -0,6710    |
| 3-0315   | 53        | -0,6710    |
| 3-0333   | 53        | -0,6710    |
| 3-0378   | 53        | -0,6710    |
| 3-0382   | 53        | -0,6710    |
| 3-0040   | 54        | -0,5666    |
| 3-0257   | 54        | -0,5666    |
| 3-0420   | 54        | -0,5666    |
| 3-0464   | 54        | -0,5666    |
| 3-0111   | 55        | -0,4621    |
| 3-0205   | 55        | -0,4621    |
| 3-0354   | 55        | -0,4621    |
| 3-0373   | 55        | -0,4621    |
| 3-0003   | 56        | -0,3577    |
| 3-0032   | 56        | -0,3577    |
| 3-0066   | 56        | -0,3577    |
| 3-0081   | 56        | -0,3577    |
| 3-0105   | 56        | -0,3577    |
| 3-0154   | 56        | -0,3577    |
| 3-0176   | 57        | -0,2533    |
| 3-0187   | 57        | -0,2533    |
| 3-0191   | 57        | -0,2533    |
| 3-0231   | 57        | -0,2533    |
| 3-0298   | 57        | -0,2533    |
| 3-0323   | 57        | -0,2533    |
| 3-0349   | 57        | -0,2533    |
| 3-0457   | 57        | -0,2533    |
| 3-0280   | 58        | -0,1489    |
| 3-0289   | 58        | -0,1489    |
| 3-0429   | 58        | -0,1489    |
| 3-0221   | 59        | -0,0444    |
| 3-0276   | 59        | -0,0444    |
| 3-0179   | 60        | 0,0504     |
| 3-0253   | 60        | 0,0504     |
| 3-0044   | 61        | 0,1382     |
| 3-0057   | 62        | 0,2260     |
| 3-0084   | 62        | 0,2260     |
| 3-0035   | 63        | 0,3138     |
| 3-0135   | 63        | 0,3138     |
| 3-0138   | 63        | 0,3138     |
| 3-0158   | 63        | 0,3138     |
| 3-0168   | 63        | 0,3138     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0226   | 63        | 0,3138     |
| 3-0236   | 63        | 0,3138     |
| 3-0386   | 63        | 0,3138     |
| 3-0053   | 64        | 0,4016     |
| 3-0285   | 64        | 0,4016     |
| 3-0147   | 65        | 0,4894     |
| 3-0445   | 65        | 0,4894     |
| 3-0131   | 66        | 0,5772     |
| 3-0328   | 66        | 0,5772     |
| 3-0019   | 67        | 0,6650     |
| 3-0096   | 67        | 0,6650     |
| 3-0209   | 67        | 0,6650     |
| 3-0474   | 68        | 0,7528     |
| 3-0099   | 69        | 0,8406     |
| 3-0482   | 69        | 0,8406     |
| 3-0412   | 70        | 0,9284     |
| 3-0010   | 71        | 1,0162     |
| 3-0028   | 71        | 1,0162     |
| 3-0272   | 72        | 1,1040     |
| 3-0163   | 73        | 1,1917     |
| 3-0368   | 73        | 1,1917     |
| 3-0128   | 75        | 1,3673     |
| 3-0074   | 76        | 1,4551     |
| 3-0120   | 76        | 1,4551     |
| 3-0015   | 77        | 1,5429     |
| 3-0303   | 77        | 1,5429     |
| 3-0424   | 77        | 1,5429     |
| 3-0198   | 78        | 1,6307     |
| 3-0023   | 80        | 1,8063     |
| 3-0436   | 82        | 1,9819     |
| 3-0214   | 83        | 2,0697     |
| 3-0069   | 86        | 2,3331     |
| 3-0395   | 91        | 2,7720     |
| 3-0061   | 150       | 7,9518     |

**Ringversuch:** 3-2013

**Parameter:** Intestinale Enterokokken

**Einheit:** n / 100 ml

**Gruppe:** C

**Verfahren:** Chromocult

**Anzahl Werte:** 2

**Sollwert (Mittelwert nach Hampel):** 0

**Soll-Standardabweichung:** 0

**rel. Soll-Standardabw. [%]:**

**Ausschlussgrenze unten:** 0

**Ausschlussgrenze oben:** 0

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

|        |    |        |
|--------|----|--------|
| 3-0102 | 50 | 0,0000 |
|--------|----|--------|

|        |    |        |
|--------|----|--------|
| 3-0108 | 53 | 0,0000 |
|--------|----|--------|

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Verfahren:** DIN EN ISO 7899-2  
**Anzahl Werte:** 98

**Sollwert (Mittelwert nach Hampel):** 59,64  
**Soll-Standardabweichung:** 10,46  
**rel. Soll-Standardabw. [%]:** 17,54  
**Ausschlussgrenze unten:** 40  
**Ausschlussgrenze oben:** 83

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0363   | 38        | -2,2327    |
| 3-0007   | 41        | -1,9232    |
| 3-0338   | 42        | -1,8201    |
| 3-0310   | 43        | -1,7169    |
| 3-0172   | 44        | -1,6138    |
| 3-0360   | 44        | -1,6138    |
| 3-0049   | 47        | -1,3043    |
| 3-0266   | 47        | -1,3043    |
| 3-0399   | 47        | -1,3043    |
| 3-0150   | 48        | -1,2011    |
| 3-0239   | 48        | -1,2011    |
| 3-0091   | 49        | -1,0980    |
| 3-0250   | 49        | -1,0980    |
| 3-0243   | 50        | -0,9948    |
| 3-0452   | 50        | -0,9948    |
| 3-0116   | 51        | -0,8917    |
| 3-0342   | 51        | -0,8917    |
| 3-0432   | 51        | -0,8917    |
| 3-0183   | 52        | -0,7885    |
| 3-0261   | 52        | -0,7885    |
| 3-0406   | 52        | -0,7885    |
| 3-0124   | 53        | -0,6854    |
| 3-0201   | 53        | -0,6854    |
| 3-0315   | 53        | -0,6854    |
| 3-0333   | 53        | -0,6854    |
| 3-0378   | 53        | -0,6854    |
| 3-0382   | 53        | -0,6854    |
| 3-0040   | 54        | -0,5822    |
| 3-0257   | 54        | -0,5822    |
| 3-0420   | 54        | -0,5822    |
| 3-0464   | 54        | -0,5822    |
| 3-0111   | 55        | -0,4791    |
| 3-0205   | 55        | -0,4791    |
| 3-0354   | 55        | -0,4791    |
| 3-0373   | 55        | -0,4791    |
| 3-0003   | 56        | -0,3759    |
| 3-0032   | 56        | -0,3759    |
| 3-0066   | 56        | -0,3759    |
| 3-0081   | 56        | -0,3759    |
| 3-0105   | 56        | -0,3759    |
| 3-0154   | 56        | -0,3759    |
| 3-0176   | 57        | -0,2728    |
| 3-0187   | 57        | -0,2728    |
| 3-0191   | 57        | -0,2728    |
| 3-0231   | 57        | -0,2728    |
| 3-0298   | 57        | -0,2728    |
| 3-0323   | 57        | -0,2728    |
| 3-0349   | 57        | -0,2728    |
| 3-0457   | 57        | -0,2728    |
| 3-0280   | 58        | -0,1696    |
| 3-0289   | 58        | -0,1696    |
| 3-0429   | 58        | -0,1696    |
| 3-0221   | 59        | -0,0665    |
| 3-0276   | 59        | -0,0665    |
| 3-0179   | 60        | 0,0308     |
| 3-0253   | 60        | 0,0308     |
| 3-0044   | 61        | 0,1174     |
| 3-0057   | 62        | 0,2040     |
| 3-0084   | 62        | 0,2040     |
| 3-0035   | 63        | 0,2906     |
| 3-0135   | 63        | 0,2906     |
| 3-0138   | 63        | 0,2906     |
| 3-0158   | 63        | 0,2906     |
| 3-0168   | 63        | 0,2906     |
| 3-0226   | 63        | 0,2906     |
| 3-0236   | 63        | 0,2906     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0386   | 63        | 0,2906     |
| 3-0053   | 64        | 0,3771     |
| 3-0285   | 64        | 0,3771     |
| 3-0147   | 65        | 0,4637     |
| 3-0445   | 65        | 0,4637     |
| 3-0131   | 66        | 0,5503     |
| 3-0328   | 66        | 0,5503     |
| 3-0019   | 67        | 0,6369     |
| 3-0096   | 67        | 0,6369     |
| 3-0209   | 67        | 0,6369     |
| 3-0474   | 68        | 0,7235     |
| 3-0099   | 69        | 0,8101     |
| 3-0482   | 69        | 0,8101     |
| 3-0412   | 70        | 0,8967     |
| 3-0010   | 71        | 0,9832     |
| 3-0028   | 71        | 0,9832     |
| 3-0272   | 72        | 1,0698     |
| 3-0163   | 73        | 1,1564     |
| 3-0368   | 73        | 1,1564     |
| 3-0128   | 75        | 1,3296     |
| 3-0074   | 76        | 1,4162     |
| 3-0120   | 76        | 1,4162     |
| 3-0015   | 77        | 1,5027     |
| 3-0303   | 77        | 1,5027     |
| 3-0424   | 77        | 1,5027     |
| 3-0198   | 78        | 1,5893     |
| 3-0023   | 80        | 1,7625     |
| 3-0436   | 82        | 1,9357     |
| 3-0214   | 83        | 2,0223     |
| 3-0069   | 86        | 2,2820     |
| 3-0395   | 91        | 2,7149     |
| 3-0061   | 150       | 7,8234     |

**Ringversuch:** 3-2013  
**Parameter:** Intestinale Enterokokken (Enterolert-DW)  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Verfahren:** Enterolert-DW  
**Anzahl Werte:** 41

**Sollwert (Mittelwert nach Hampel):** 65,5  
**Soll-Standardabweichung:** 20,19  
**rel. Soll-Standardabw. [%]:** 30,83  
**Ausschlussgrenze unten:** 29  
**Ausschlussgrenze oben:** 115

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0252   | 0         | -3,6611    |
| 3-0433   | 0         | -3,6611    |
| 3-0439   | 3         | -3,4935    |
| 3-0162   | 6         | -3,3258    |
| 3-0148   | 35        | -1,7049    |
| 3-0130   | 38        | -1,5372    |
| 3-0442   | 38        | -1,5372    |
| 3-0415   | 43        | -1,2578    |
| 3-0320   | 48        | -0,9783    |
| 3-0272   | 50        | -0,8665    |
| 3-0080   | 59        | -0,3635    |
| 3-0201   | 59        | -0,3635    |
| 3-0380   | 59        | -0,3635    |
| 3-0424   | 61        | -0,2517    |
| 3-0052   | 62        | -0,1958    |
| 3-0174   | 62        | -0,1958    |
| 3-0294   | 62        | -0,1958    |
| 3-0469   | 62        | -0,1958    |
| 3-0432   | 63        | -0,1399    |
| 3-0196   | 66        | 0,0204     |
| 3-0299   | 69        | 0,1434     |
| 3-0070   | 70        | 0,1844     |
| 3-0204   | 70        | 0,1844     |
| 3-0330   | 70        | 0,1844     |
| 3-0370   | 70        | 0,1844     |
| 3-0318   | 73        | 0,3074     |
| 3-0374   | 74        | 0,3484     |
| 3-0384   | 74        | 0,3484     |
| 3-0001   | 78        | 0,5125     |
| 3-0331   | 78        | 0,5125     |
| 3-0347   | 78        | 0,5125     |
| 3-0420   | 78        | 0,5125     |
| 3-0470   | 80        | 0,5945     |
| 3-0121   | 81        | 0,6355     |
| 3-0129   | 83        | 0,7175     |
| 3-0141   | 83        | 0,7175     |
| 3-0342   | 83        | 0,7175     |
| 3-0024   | 89        | 0,9635     |
| 3-0248   | 94        | 1,1686     |
| 3-0180   | 95        | 1,2096     |
| 3-0026   | 101       | 1,4556     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
|----------|-----------|------------|

**Ringversuch:** 3-2013  
**Parameter:** Koloniezahl bei 22°C  
**Einheit:** n / ml  
**Gruppe:** A  
**Verfahren:** DIN EN ISO 6222  
**Anzahl Werte:** 89

**Sollwert (Mittelwert nach Hampel):** 76,23  
**Soll-Standardabweichung:** 8,188  
**rel. Soll-Standardabw. [%]:** 10,74  
**Ausschlussgrenze unten:** 60  
**Ausschlussgrenze oben:** 94

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0076   | 23        | -6,8299    |
| 3-0335   | 29        | -6,0600    |
| 3-0242   | 45        | -4,0072    |
| 3-0358   | 58        | -2,3392    |
| 3-0098   | 62        | -1,8260    |
| 3-0082   | 64        | -1,5694    |
| 3-0176   | 64        | -1,5694    |
| 3-0354   | 65        | -1,4411    |
| 3-0395   | 65        | -1,4411    |
| 3-0460   | 65        | -1,4411    |
| 3-0178   | 67        | -1,1844    |
| 3-0244   | 67        | -1,1844    |
| 3-0382   | 67        | -1,1844    |
| 3-0238   | 68        | -1,0561    |
| 3-0390   | 68        | -1,0561    |
| 3-0456   | 68        | -1,0561    |
| 3-0102   | 69        | -0,9278    |
| 3-0421   | 69        | -0,9278    |
| 3-0022   | 70        | -0,7995    |
| 3-0247   | 70        | -0,7995    |
| 3-0419   | 70        | -0,7995    |
| 3-0066   | 71        | -0,6712    |
| 3-0037   | 72        | -0,5429    |
| 3-0100   | 72        | -0,5429    |
| 3-0205   | 72        | -0,5429    |
| 3-0001   | 73        | -0,4146    |
| 3-0096   | 73        | -0,4146    |
| 3-0236   | 73        | -0,4146    |
| 3-0299   | 73        | -0,4146    |
| 3-0360   | 73        | -0,4146    |
| 3-0399   | 73        | -0,4146    |
| 3-0406   | 73        | -0,4146    |
| 3-0057   | 74        | -0,2863    |
| 3-0131   | 74        | -0,2863    |
| 3-0432   | 74        | -0,2863    |
| 3-0471   | 74        | -0,2863    |
| 3-0476   | 74        | -0,2863    |
| 3-0051   | 75        | -0,1580    |
| 3-0208   | 75        | -0,1580    |
| 3-0271   | 75        | -0,1580    |
| 3-0314   | 75        | -0,1580    |
| 3-0376   | 75        | -0,1580    |
| 3-0285   | 76        | -0,0297    |
| 3-0351   | 76        | -0,0297    |
| 3-0484   | 76        | -0,0297    |
| 3-0055   | 77        | 0,0886     |
| 3-0198   | 77        | 0,0886     |
| 3-0339   | 77        | 0,0886     |
| 3-0365   | 77        | 0,0886     |
| 3-0453   | 77        | 0,0886     |
| 3-0467   | 77        | 0,0886     |
| 3-0005   | 78        | 0,2038     |
| 3-0013   | 78        | 0,2038     |
| 3-0087   | 78        | 0,2038     |
| 3-0133   | 78        | 0,2038     |
| 3-0257   | 78        | 0,2038     |
| 3-0276   | 78        | 0,2038     |
| 3-0307   | 78        | 0,2038     |
| 3-0449   | 78        | 0,2038     |
| 3-0091   | 79        | 0,3191     |
| 3-0154   | 79        | 0,3191     |
| 3-0250   | 79        | 0,3191     |
| 3-0465   | 79        | 0,3191     |
| 3-0041   | 80        | 0,4343     |
| 3-0084   | 80        | 0,4343     |
| 3-0281   | 80        | 0,4343     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0341   | 80        | 0,4343     |
| 3-0070   | 81        | 0,5496     |
| 3-0187   | 81        | 0,5496     |
| 3-0195   | 81        | 0,5496     |
| 3-0254   | 81        | 0,5496     |
| 3-0053   | 82        | 0,6648     |
| 3-0172   | 82        | 0,6648     |
| 3-0362   | 83        | 0,7801     |
| 3-0044   | 84        | 0,8953     |
| 3-0049   | 85        | 1,0106     |
| 3-0144   | 85        | 1,0106     |
| 3-0180   | 85        | 1,0106     |
| 3-0210   | 86        | 1,1258     |
| 3-0193   | 87        | 1,2411     |
| 3-0368   | 88        | 1,3563     |
| 3-0032   | 92        | 1,8173     |
| 3-0129   | 92        | 1,8173     |
| 3-0170   | 92        | 1,8173     |
| 3-0478   | 93        | 1,9325     |
| 3-0185   | 96        | 2,2783     |
| 3-0387   | 100       | 2,7393     |
| 3-0260   | 103       | 3,0850     |
| 3-0222   | 118       | 4,8137     |

**Ringversuch:** 3-2013  
**Parameter:** Koloniezahl bei 22°C  
**Einheit:** n / ml  
**Gruppe:** A  
**Verfahren:** TrinkwV 2001 Anl. 5 l d) bb)  
**Anzahl Werte:** 120

**Sollwert (Mittelwert nach Hampel):** 82,96

**Soll-Standardabweichung:** 8,475

**rel. Soll-Standardabw. [%]:** 10,22

**Ausschlussgrenze unten:** 66

**Ausschlussgrenze oben:** 101

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0335   | 31        | -6,4264    |
| 3-0447   | 33        | -6,1790    |
| 3-0226   | 44        | -4,8185    |
| 3-0309   | 56        | -3,3342    |
| 3-0035   | 61        | -2,7158    |
| 3-0230   | 65        | -2,2211    |
| 3-0074   | 66        | -2,0974    |
| 3-0439   | 68        | -1,8500    |
| 3-0147   | 70        | -1,6027    |
| 3-0136   | 72        | -1,3553    |
| 3-0427   | 72        | -1,3553    |
| 3-0082   | 73        | -1,2316    |
| 3-0232   | 73        | -1,2316    |
| 3-0430   | 73        | -1,2316    |
| 3-0449   | 73        | -1,2316    |
| 3-0108   | 74        | -1,1079    |
| 3-0208   | 74        | -1,1079    |
| 3-0039   | 75        | -0,9842    |
| 3-0049   | 75        | -0,9842    |
| 3-0164   | 75        | -0,9842    |
| 3-0266   | 75        | -0,9842    |
| 3-0274   | 75        | -0,9842    |
| 3-0423   | 75        | -0,9842    |
| 3-0425   | 75        | -0,9842    |
| 3-0481   | 75        | -0,9842    |
| 3-0047   | 76        | -0,8605    |
| 3-0063   | 76        | -0,8605    |
| 3-0205   | 76        | -0,8605    |
| 3-0100   | 77        | -0,7369    |
| 3-0120   | 77        | -0,7369    |
| 3-0220   | 77        | -0,7369    |
| 3-0304   | 77        | -0,7369    |
| 3-0365   | 77        | -0,7369    |
| 3-0115   | 78        | -0,6132    |
| 3-0323   | 78        | -0,6132    |
| 3-0347   | 78        | -0,6132    |
| 3-0003   | 79        | -0,4895    |
| 3-0053   | 79        | -0,4895    |
| 3-0094   | 79        | -0,4895    |
| 3-0159   | 79        | -0,4895    |
| 3-0238   | 79        | -0,4895    |
| 3-0240   | 79        | -0,4895    |
| 3-0321   | 79        | -0,4895    |
| 3-0328   | 79        | -0,4895    |
| 3-0374   | 79        | -0,4895    |
| 3-0068   | 80        | -0,3658    |
| 3-0131   | 80        | -0,3658    |
| 3-0413   | 80        | -0,3658    |
| 3-0138   | 81        | -0,2421    |
| 3-0157   | 81        | -0,2421    |
| 3-0203   | 81        | -0,2421    |
| 3-0254   | 81        | -0,2421    |
| 3-0385   | 81        | -0,2421    |
| 3-0149   | 82        | -0,1184    |
| 3-0174   | 82        | -0,1184    |
| 3-0316   | 82        | -0,1184    |
| 3-0325   | 82        | -0,1184    |
| 3-0379   | 82        | -0,1184    |
| 3-0009   | 83        | 0,0047     |
| 3-0016   | 83        | 0,0047     |
| 3-0022   | 83        | 0,0047     |
| 3-0032   | 83        | 0,0047     |
| 3-0112   | 83        | 0,0047     |
| 3-0168   | 83        | 0,0047     |
| 3-0170   | 83        | 0,0047     |
| 3-0236   | 83        | 0,0047     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0311   | 83        | 0,0047     |
| 3-0473   | 83        | 0,0047     |
| 3-0011   | 84        | 0,1164     |
| 3-0018   | 84        | 0,1164     |
| 3-0060   | 84        | 0,1164     |
| 3-0214   | 84        | 0,1164     |
| 3-0330   | 84        | 0,1164     |
| 3-0404   | 84        | 0,1164     |
| 3-0442   | 84        | 0,1164     |
| 3-0356   | 85        | 0,2281     |
| 3-0007   | 86        | 0,3398     |
| 3-0029   | 86        | 0,3398     |
| 3-0123   | 86        | 0,3398     |
| 3-0180   | 86        | 0,3398     |
| 3-0290   | 86        | 0,3398     |
| 3-0333   | 86        | 0,3398     |
| 3-0351   | 86        | 0,3398     |
| 3-0257   | 87        | 0,4515     |
| 3-0376   | 87        | 0,4515     |
| 3-0397   | 87        | 0,4515     |
| 3-0024   | 88        | 0,5631     |
| 3-0133   | 88        | 0,5631     |
| 3-0318   | 88        | 0,5631     |
| 3-0349   | 88        | 0,5631     |
| 3-0408   | 88        | 0,5631     |
| 3-0490   | 88        | 0,5631     |
| 3-0020   | 89        | 0,6748     |
| 3-0026   | 89        | 0,6748     |
| 3-0341   | 89        | 0,6748     |
| 3-0467   | 89        | 0,6748     |
| 3-0106   | 90        | 0,7865     |
| 3-0189   | 90        | 0,7865     |
| 3-0200   | 90        | 0,7865     |
| 3-0252   | 90        | 0,7865     |
| 3-0416   | 90        | 0,7865     |
| 3-0110   | 91        | 0,8982     |
| 3-0125   | 91        | 0,8982     |
| 3-0151   | 91        | 0,8982     |
| 3-0183   | 91        | 0,8982     |
| 3-0044   | 92        | 1,0099     |
| 3-0344   | 93        | 1,1216     |
| 3-0104   | 94        | 1,2332     |
| 3-0210   | 94        | 1,2332     |
| 3-0337   | 94        | 1,2332     |
| 3-0372   | 94        | 1,2332     |
| 3-0218   | 96        | 1,4566     |
| 3-0262   | 96        | 1,4566     |
| 3-0435   | 96        | 1,4566     |
| 3-0458   | 96        | 1,4566     |
| 3-0162   | 97        | 1,5683     |
| 3-0478   | 97        | 1,5683     |
| 3-0278   | 98        | 1,6800     |
| 3-0368   | 99        | 1,7916     |
| 3-0144   | 101       | 2,0150     |

**Ringversuch:** 3-2013  
**Parameter:** Koloniezahl bei 22°C  
**Einheit:** n / ml  
**Gruppe:** B  
**Verfahren:** DIN EN ISO 6222  
**Anzahl Werte:** 81

**Sollwert (Mittelwert nach Hampel):** 33,49  
**Soll-Standardabweichung:** 5,686  
**rel. Soll-Standardabw. [%]:** 16,98  
**Ausschlussgrenze unten:** 22  
**Ausschlussgrenze oben:** 47

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0081   | 8         | -4,8270    |
| 3-0353   | 19        | -2,7442    |
| 3-0197   | 21        | -2,3655    |
| 3-0253   | 22        | -2,1761    |
| 3-0422   | 24        | -1,7974    |
| 3-0315   | 25        | -1,6081    |
| 3-0338   | 25        | -1,6081    |
| 3-0367   | 25        | -1,6081    |
| 3-0359   | 26        | -1,4187    |
| 3-0065   | 27        | -1,2294    |
| 3-0429   | 27        | -1,2294    |
| 3-0332   | 28        | -1,0400    |
| 3-0340   | 28        | -1,0400    |
| 3-0155   | 29        | -0,8507    |
| 3-0334   | 29        | -0,8507    |
| 3-0440   | 29        | -0,8507    |
| 3-0015   | 30        | -0,6614    |
| 3-0019   | 30        | -0,6614    |
| 3-0028   | 30        | -0,6614    |
| 3-0101   | 30        | -0,6614    |
| 3-0126   | 30        | -0,6614    |
| 3-0280   | 30        | -0,6614    |
| 3-0286   | 30        | -0,6614    |
| 3-0396   | 30        | -0,6614    |
| 3-0194   | 31        | -0,4720    |
| 3-0383   | 31        | -0,4720    |
| 3-0461   | 31        | -0,4720    |
| 3-0017   | 32        | -0,2827    |
| 3-0040   | 32        | -0,2827    |
| 3-0095   | 32        | -0,2827    |
| 3-0113   | 32        | -0,2827    |
| 3-0275   | 32        | -0,2827    |
| 3-0398   | 32        | -0,2827    |
| 3-0409   | 32        | -0,2827    |
| 3-0448   | 32        | -0,2827    |
| 3-0153   | 33        | -0,0933    |
| 3-0158   | 33        | -0,0933    |
| 3-0166   | 33        | -0,0933    |
| 3-0345   | 33        | -0,0933    |
| 3-0426   | 33        | -0,0933    |
| 3-0464   | 33        | -0,0933    |
| 3-0099   | 34        | 0,0811     |
| 3-0107   | 34        | 0,0811     |
| 3-0128   | 34        | 0,0811     |
| 3-0132   | 34        | 0,0811     |
| 3-0199   | 34        | 0,0811     |
| 3-0201   | 34        | 0,0811     |
| 3-0241   | 34        | 0,0811     |
| 3-0255   | 34        | 0,0811     |
| 3-0350   | 34        | 0,0811     |
| 3-0111   | 35        | 0,2409     |
| 3-0457   | 35        | 0,2409     |
| 3-0459   | 35        | 0,2409     |
| 3-0148   | 36        | 0,4007     |
| 3-0221   | 36        | 0,4007     |
| 3-0267   | 36        | 0,4007     |
| 3-0075   | 37        | 0,5605     |
| 3-0137   | 37        | 0,5605     |
| 3-0163   | 37        | 0,5605     |
| 3-0179   | 37        | 0,5605     |
| 3-0261   | 37        | 0,5605     |
| 3-0373   | 37        | 0,5605     |
| 3-0454   | 37        | 0,5605     |
| 3-0466   | 37        | 0,5605     |
| 3-0477   | 37        | 0,5605     |
| 3-0006   | 38        | 0,7204     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0033   | 38        | 0,7204     |
| 3-0306   | 38        | 0,7204     |
| 3-0371   | 38        | 0,7204     |
| 3-0452   | 38        | 0,7204     |
| 3-0392   | 39        | 0,8802     |
| 3-0407   | 40        | 1,0400     |
| 3-0317   | 41        | 1,1998     |
| 3-0052   | 42        | 1,3596     |
| 3-0277   | 42        | 1,3596     |
| 3-0303   | 42        | 1,3596     |
| 3-0272   | 43        | 1,5195     |
| 3-0348   | 44        | 1,6793     |
| 3-0405   | 47        | 2,1588     |
| 3-0207   | 50        | 2,6382     |
| 3-0480   | 54        | 3,2775     |

**Ringversuch:** 3-2013  
**Parameter:** Koloniezahl bei 22°C  
**Einheit:** n / ml  
**Gruppe:** B  
**Verfahren:** TrinkwV 2001 Anl. 5 I d) bb)  
**Anzahl Werte:** 125

**Sollwert (Mittelwert nach Hampel):** 36,87

**Soll-Standardabweichung:** 4,618

**rel. Soll-Standardabw. [%]:** 12,53

**Ausschlussgrenze unten:** 28

**Ausschlussgrenze oben:** 47

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0173   | 28        | -2,0320    |
| 3-0036   | 29        | -1,8029    |
| 3-0103   | 29        | -1,8029    |
| 3-0386   | 29        | -1,8029    |
| 3-0440   | 29        | -1,8029    |
| 3-0088   | 30        | -1,5737    |
| 3-0223   | 30        | -1,5737    |
| 3-0286   | 30        | -1,5737    |
| 3-0308   | 30        | -1,5737    |
| 3-0457   | 30        | -1,5737    |
| 3-0030   | 31        | -1,3446    |
| 3-0043   | 32        | -1,1154    |
| 3-0059   | 32        | -1,1154    |
| 3-0182   | 32        | -1,1154    |
| 3-0213   | 32        | -1,1154    |
| 3-0251   | 32        | -1,1154    |
| 3-0326   | 32        | -1,1154    |
| 3-0342   | 32        | -1,1154    |
| 3-0472   | 32        | -1,1154    |
| 3-0474   | 32        | -1,1154    |
| 3-0025   | 33        | -0,8863    |
| 3-0109   | 33        | -0,8863    |
| 3-0155   | 33        | -0,8863    |
| 3-0418   | 33        | -0,8863    |
| 3-0434   | 33        | -0,8863    |
| 3-0469   | 33        | -0,8863    |
| 3-0482   | 33        | -0,8863    |
| 3-0061   | 34        | -0,6571    |
| 3-0065   | 34        | -0,6571    |
| 3-0116   | 34        | -0,6571    |
| 3-0148   | 34        | -0,6571    |
| 3-0153   | 34        | -0,6571    |
| 3-0219   | 34        | -0,6571    |
| 3-0243   | 34        | -0,6571    |
| 3-0329   | 34        | -0,6571    |
| 3-0375   | 34        | -0,6571    |
| 3-0407   | 34        | -0,6571    |
| 3-0445   | 34        | -0,6571    |
| 3-0083   | 35        | -0,4280    |
| 3-0124   | 35        | -0,4280    |
| 3-0130   | 35        | -0,4280    |
| 3-0150   | 35        | -0,4280    |
| 3-0179   | 35        | -0,4280    |
| 3-0197   | 35        | -0,4280    |
| 3-0233   | 35        | -0,4280    |
| 3-0283   | 35        | -0,4280    |
| 3-0295   | 35        | -0,4280    |
| 3-0322   | 35        | -0,4280    |
| 3-0336   | 35        | -0,4280    |
| 3-0401   | 35        | -0,4280    |
| 3-0431   | 35        | -0,4280    |
| 3-0021   | 36        | -0,1988    |
| 3-0069   | 36        | -0,1988    |
| 3-0093   | 36        | -0,1988    |
| 3-0107   | 36        | -0,1988    |
| 3-0141   | 36        | -0,1988    |
| 3-0166   | 36        | -0,1988    |
| 3-0175   | 36        | -0,1988    |
| 3-0184   | 36        | -0,1988    |
| 3-0237   | 36        | -0,1988    |
| 3-0248   | 36        | -0,1988    |
| 3-0378   | 36        | -0,1988    |
| 3-0002   | 37        | 0,0268     |
| 3-0004   | 37        | 0,0268     |
| 3-0019   | 37        | 0,0268     |
| 3-0072   | 37        | 0,0268     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0075   | 37        | 0,0268     |
| 3-0119   | 37        | 0,0268     |
| 3-0132   | 37        | 0,0268     |
| 3-0204   | 37        | 0,0268     |
| 3-0221   | 37        | 0,0268     |
| 3-0373   | 37        | 0,0268     |
| 3-0392   | 37        | 0,0268     |
| 3-0461   | 37        | 0,0268     |
| 3-0012   | 38        | 0,2290     |
| 3-0023   | 38        | 0,2290     |
| 3-0033   | 38        | 0,2290     |
| 3-0177   | 38        | 0,2290     |
| 3-0209   | 38        | 0,2290     |
| 3-0388   | 38        | 0,2290     |
| 3-0010   | 39        | 0,4312     |
| 3-0046   | 39        | 0,4312     |
| 3-0228   | 39        | 0,4312     |
| 3-0363   | 39        | 0,4312     |
| 3-0420   | 39        | 0,4312     |
| 3-0038   | 40        | 0,6334     |
| 3-0054   | 40        | 0,6334     |
| 3-0056   | 40        | 0,6334     |
| 3-0086   | 40        | 0,6334     |
| 3-0171   | 40        | 0,6334     |
| 3-0188   | 40        | 0,6334     |
| 3-0231   | 40        | 0,6334     |
| 3-0255   | 40        | 0,6334     |
| 3-0310   | 40        | 0,6334     |
| 3-0324   | 40        | 0,6334     |
| 3-0357   | 40        | 0,6334     |
| 3-0380   | 40        | 0,6334     |
| 3-0424   | 40        | 0,6334     |
| 3-0488   | 40        | 0,6334     |
| 3-0067   | 41        | 0,8356     |
| 3-0135   | 41        | 0,8356     |
| 3-0191   | 41        | 0,8356     |
| 3-0245   | 41        | 0,8356     |
| 3-0258   | 41        | 0,8356     |
| 3-0319   | 41        | 0,8356     |
| 3-0412   | 41        | 0,8356     |
| 3-0436   | 41        | 0,8356     |
| 3-0048   | 42        | 1,0378     |
| 3-0216   | 42        | 1,0378     |
| 3-0272   | 42        | 1,0378     |
| 3-0371   | 42        | 1,0378     |
| 3-0008   | 43        | 1,2400     |
| 3-0050   | 43        | 1,2400     |
| 3-0263   | 43        | 1,2400     |
| 3-0169   | 44        | 1,4421     |
| 3-0239   | 44        | 1,4421     |
| 3-0052   | 45        | 1,6443     |
| 3-0121   | 45        | 1,6443     |
| 3-0477   | 45        | 1,6443     |
| 3-0146   | 46        | 1,8465     |
| 3-0186   | 47        | 2,0487     |
| 3-0126   | 48        | 2,2509     |
| 3-0415   | 48        | 2,2509     |
| 3-0097   | 49        | 2,4531     |
| 3-0160   | 49        | 2,4531     |

**Ringversuch:** 3-2013  
**Parameter:** Koloniezahl bei 36°C  
**Einheit:** n / ml  
**Gruppe:** A  
**Verfahren:** DIN EN ISO 6222  
**Anzahl Werte:** 89

**Sollwert (Mittelwert nach Hampel):** 75,68

**Soll-Standardabweichung:** 9,266

**rel. Soll-Standardabw. [%]:** 12,24

**Ausschlussgrenze unten:** 58

**Ausschlussgrenze oben:** 96

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0335   | 31        | -5,0971    |
| 3-0076   | 36        | -4,5266    |
| 3-0242   | 36        | -4,5266    |
| 3-0037   | 54        | -2,4731    |
| 3-0358   | 58        | -2,0167    |
| 3-0098   | 59        | -1,9026    |
| 3-0001   | 60        | -1,7886    |
| 3-0382   | 60        | -1,7886    |
| 3-0205   | 61        | -1,6745    |
| 3-0082   | 62        | -1,5604    |
| 3-0395   | 65        | -1,2181    |
| 3-0460   | 65        | -1,2181    |
| 3-0005   | 66        | -1,1040    |
| 3-0299   | 66        | -1,1040    |
| 3-0360   | 66        | -1,1040    |
| 3-0066   | 67        | -0,9900    |
| 3-0091   | 67        | -0,9900    |
| 3-0176   | 67        | -0,9900    |
| 3-0193   | 67        | -0,9900    |
| 3-0465   | 67        | -0,9900    |
| 3-0102   | 68        | -0,8759    |
| 3-0178   | 68        | -0,8759    |
| 3-0399   | 68        | -0,8759    |
| 3-0449   | 68        | -0,8759    |
| 3-0238   | 69        | -0,7618    |
| 3-0250   | 69        | -0,7618    |
| 3-0471   | 70        | -0,6477    |
| 3-0421   | 71        | -0,5336    |
| 3-0432   | 71        | -0,5336    |
| 3-0456   | 71        | -0,5336    |
| 3-0257   | 72        | -0,4195    |
| 3-0376   | 72        | -0,4195    |
| 3-0051   | 74        | -0,1913    |
| 3-0057   | 74        | -0,1913    |
| 3-0195   | 74        | -0,1913    |
| 3-0198   | 74        | -0,1913    |
| 3-0406   | 74        | -0,1913    |
| 3-0087   | 75        | -0,0773    |
| 3-0100   | 75        | -0,0773    |
| 3-0172   | 75        | -0,0773    |
| 3-0314   | 75        | -0,0773    |
| 3-0341   | 75        | -0,0773    |
| 3-0131   | 76        | 0,0326     |
| 3-0210   | 76        | 0,0326     |
| 3-0354   | 76        | 0,0326     |
| 3-0453   | 76        | 0,0326     |
| 3-0055   | 77        | 0,1335     |
| 3-0170   | 77        | 0,1335     |
| 3-0276   | 77        | 0,1335     |
| 3-0351   | 77        | 0,1335     |
| 3-0362   | 77        | 0,1335     |
| 3-0390   | 77        | 0,1335     |
| 3-0022   | 78        | 0,2345     |
| 3-0070   | 78        | 0,2345     |
| 3-0096   | 78        | 0,2345     |
| 3-0129   | 78        | 0,2345     |
| 3-0187   | 78        | 0,2345     |
| 3-0247   | 78        | 0,2345     |
| 3-0419   | 78        | 0,2345     |
| 3-0144   | 79        | 0,3354     |
| 3-0236   | 79        | 0,3354     |
| 3-0281   | 79        | 0,3354     |
| 3-0285   | 79        | 0,3354     |
| 3-0084   | 80        | 0,4364     |
| 3-0307   | 80        | 0,4364     |
| 3-0365   | 80        | 0,4364     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0467   | 80        | 0,4364     |
| 3-0049   | 81        | 0,5373     |
| 3-0484   | 81        | 0,5373     |
| 3-0013   | 82        | 0,6383     |
| 3-0032   | 82        | 0,6383     |
| 3-0041   | 82        | 0,6383     |
| 3-0154   | 82        | 0,6383     |
| 3-0476   | 82        | 0,6383     |
| 3-0260   | 83        | 0,7392     |
| 3-0339   | 83        | 0,7392     |
| 3-0254   | 84        | 0,8402     |
| 3-0053   | 85        | 0,9412     |
| 3-0478   | 85        | 0,9412     |
| 3-0044   | 89        | 1,3450     |
| 3-0387   | 89        | 1,3450     |
| 3-0185   | 90        | 1,4459     |
| 3-0271   | 90        | 1,4459     |
| 3-0368   | 90        | 1,4459     |
| 3-0133   | 92        | 1,6478     |
| 3-0208   | 92        | 1,6478     |
| 3-0222   | 92        | 1,6478     |
| 3-0244   | 93        | 1,7488     |
| 3-0180   | 99        | 2,3545     |

**Ringversuch:** 3-2013  
**Parameter:** Koloniezahl bei 36°C  
**Einheit:** n / ml  
**Gruppe:** A  
**Verfahren:** TrinkwV 2001 Anl. 5 I d) bb)  
**Anzahl Werte:** 119

**Sollwert (Mittelwert nach Hampel):** 82,09

**Soll-Standardabweichung:** 9,349

**rel. Soll-Standardabw. [%]:** 11,39

**Ausschlussgrenze unten:** 64

**Ausschlussgrenze oben:** 102

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0335   | 25        | -6,4322    |
| 3-0447   | 50        | -3,6154    |
| 3-0226   | 51        | -3,5027    |
| 3-0309   | 57        | -2,8267    |
| 3-0159   | 63        | -2,1507    |
| 3-0439   | 65        | -1,9254    |
| 3-0035   | 66        | -1,8127    |
| 3-0230   | 66        | -1,8127    |
| 3-0205   | 67        | -1,7000    |
| 3-0149   | 68        | -1,5874    |
| 3-0053   | 69        | -1,4747    |
| 3-0449   | 69        | -1,4747    |
| 3-0427   | 70        | -1,3620    |
| 3-0074   | 71        | -1,2493    |
| 3-0323   | 71        | -1,2493    |
| 3-0481   | 71        | -1,2493    |
| 3-0347   | 72        | -1,1367    |
| 3-0100   | 73        | -1,0240    |
| 3-0108   | 73        | -1,0240    |
| 3-0120   | 73        | -1,0240    |
| 3-0220   | 73        | -1,0240    |
| 3-0164   | 74        | -0,9113    |
| 3-0039   | 75        | -0,7987    |
| 3-0049   | 75        | -0,7987    |
| 3-0274   | 75        | -0,7987    |
| 3-0316   | 75        | -0,7987    |
| 3-0024   | 76        | -0,6860    |
| 3-0110   | 76        | -0,6860    |
| 3-0136   | 76        | -0,6860    |
| 3-0266   | 76        | -0,6860    |
| 3-0022   | 77        | -0,5733    |
| 3-0232   | 77        | -0,5733    |
| 3-0337   | 77        | -0,5733    |
| 3-0009   | 78        | -0,4607    |
| 3-0068   | 78        | -0,4607    |
| 3-0208   | 78        | -0,4607    |
| 3-0321   | 78        | -0,4607    |
| 3-0328   | 78        | -0,4607    |
| 3-0365   | 78        | -0,4607    |
| 3-0016   | 79        | -0,3480    |
| 3-0047   | 79        | -0,3480    |
| 3-0094   | 79        | -0,3480    |
| 3-0133   | 79        | -0,3480    |
| 3-0147   | 79        | -0,3480    |
| 3-0425   | 79        | -0,3480    |
| 3-0478   | 79        | -0,3480    |
| 3-0020   | 80        | -0,2353    |
| 3-0238   | 80        | -0,2353    |
| 3-0257   | 80        | -0,2353    |
| 3-0341   | 80        | -0,2353    |
| 3-0374   | 80        | -0,2353    |
| 3-0379   | 80        | -0,2353    |
| 3-0131   | 81        | -0,1226    |
| 3-0157   | 81        | -0,1226    |
| 3-0189   | 81        | -0,1226    |
| 3-0413   | 81        | -0,1226    |
| 3-0082   | 82        | -0,0100    |
| 3-0203   | 82        | -0,0100    |
| 3-0404   | 82        | -0,0100    |
| 3-0003   | 83        | 0,0916     |
| 3-0060   | 83        | 0,0916     |
| 3-0063   | 83        | 0,0916     |
| 3-0138   | 83        | 0,0916     |
| 3-0168   | 83        | 0,0916     |
| 3-0236   | 83        | 0,0916     |
| 3-0435   | 83        | 0,0916     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0174   | 84        | 0,1922     |
| 3-0240   | 84        | 0,1922     |
| 3-0304   | 84        | 0,1922     |
| 3-0333   | 84        | 0,1922     |
| 3-0408   | 84        | 0,1922     |
| 3-0416   | 84        | 0,1922     |
| 3-0423   | 84        | 0,1922     |
| 3-0290   | 85        | 0,2928     |
| 3-0376   | 85        | 0,2928     |
| 3-0397   | 85        | 0,2928     |
| 3-0442   | 85        | 0,2928     |
| 3-0473   | 85        | 0,2928     |
| 3-0115   | 86        | 0,3933     |
| 3-0254   | 86        | 0,3933     |
| 3-0311   | 86        | 0,3933     |
| 3-0349   | 86        | 0,3933     |
| 3-0385   | 86        | 0,3933     |
| 3-0112   | 87        | 0,4939     |
| 3-0330   | 87        | 0,4939     |
| 3-0011   | 88        | 0,5944     |
| 3-0123   | 88        | 0,5944     |
| 3-0144   | 88        | 0,5944     |
| 3-0200   | 88        | 0,5944     |
| 3-0372   | 88        | 0,5944     |
| 3-0044   | 89        | 0,6950     |
| 3-0125   | 89        | 0,6950     |
| 3-0180   | 89        | 0,6950     |
| 3-0325   | 89        | 0,6950     |
| 3-0467   | 89        | 0,6950     |
| 3-0026   | 90        | 0,7955     |
| 3-0032   | 90        | 0,7955     |
| 3-0170   | 90        | 0,7955     |
| 3-0183   | 90        | 0,7955     |
| 3-0210   | 90        | 0,7955     |
| 3-0278   | 90        | 0,7955     |
| 3-0356   | 90        | 0,7955     |
| 3-0007   | 91        | 0,8961     |
| 3-0029   | 91        | 0,8961     |
| 3-0344   | 91        | 0,8961     |
| 3-0106   | 92        | 0,9966     |
| 3-0368   | 93        | 1,0972     |
| 3-0018   | 94        | 1,1977     |
| 3-0104   | 95        | 1,2983     |
| 3-0151   | 95        | 1,2983     |
| 3-0218   | 95        | 1,2983     |
| 3-0252   | 95        | 1,2983     |
| 3-0162   | 96        | 1,3988     |
| 3-0351   | 98        | 1,5999     |
| 3-0214   | 100       | 1,8010     |
| 3-0430   | 100       | 1,8010     |
| 3-0262   | 103       | 2,1027     |
| 3-0458   | 112       | 3,0076     |
| 3-0318   | 130       | 4,8176     |

**Ringversuch:** 3-2013  
**Parameter:** Koloniezahl bei 36°C  
**Einheit:** n / ml  
**Gruppe:** B  
**Verfahren:** DIN EN ISO 6222  
**Anzahl Werte:** 81

**Sollwert (Mittelwert nach Hampel):** 33,8  
**Soll-Standardabweichung:** 5,57  
**rel. Soll-Standardabw. [%]:** 16,48  
**Ausschlussgrenze unten:** 23  
**Ausschlussgrenze oben:** 47

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0459   | 15        | -3,6279    |
| 3-0338   | 20        | -2,6632    |
| 3-0340   | 23        | -2,0844    |
| 3-0015   | 24        | -1,8915    |
| 3-0197   | 25        | -1,6985    |
| 3-0405   | 26        | -1,5056    |
| 3-0422   | 26        | -1,5056    |
| 3-0332   | 27        | -1,3127    |
| 3-0019   | 28        | -1,1197    |
| 3-0128   | 28        | -1,1197    |
| 3-0166   | 28        | -1,1197    |
| 3-0194   | 28        | -1,1197    |
| 3-0429   | 28        | -1,1197    |
| 3-0065   | 29        | -0,9268    |
| 3-0107   | 29        | -0,9268    |
| 3-0017   | 30        | -0,7339    |
| 3-0158   | 30        | -0,7339    |
| 3-0286   | 30        | -0,7339    |
| 3-0253   | 31        | -0,5409    |
| 3-0334   | 31        | -0,5409    |
| 3-0409   | 31        | -0,5409    |
| 3-0426   | 31        | -0,5409    |
| 3-0440   | 31        | -0,5409    |
| 3-0028   | 32        | -0,3480    |
| 3-0095   | 32        | -0,3480    |
| 3-0099   | 32        | -0,3480    |
| 3-0137   | 32        | -0,3480    |
| 3-0155   | 32        | -0,3480    |
| 3-0163   | 32        | -0,3480    |
| 3-0275   | 32        | -0,3480    |
| 3-0317   | 32        | -0,3480    |
| 3-0448   | 32        | -0,3480    |
| 3-0461   | 32        | -0,3480    |
| 3-0033   | 33        | -0,1550    |
| 3-0132   | 33        | -0,1550    |
| 3-0241   | 33        | -0,1550    |
| 3-0373   | 33        | -0,1550    |
| 3-0148   | 34        | 0,0321     |
| 3-0267   | 34        | 0,0321     |
| 3-0392   | 34        | 0,0321     |
| 3-0464   | 34        | 0,0321     |
| 3-0052   | 35        | 0,1958     |
| 3-0111   | 35        | 0,1958     |
| 3-0179   | 35        | 0,1958     |
| 3-0255   | 35        | 0,1958     |
| 3-0353   | 35        | 0,1958     |
| 3-0359   | 35        | 0,1958     |
| 3-0101   | 36        | 0,3595     |
| 3-0113   | 36        | 0,3595     |
| 3-0201   | 36        | 0,3595     |
| 3-0261   | 36        | 0,3595     |
| 3-0280   | 36        | 0,3595     |
| 3-0315   | 36        | 0,3595     |
| 3-0348   | 36        | 0,3595     |
| 3-0350   | 36        | 0,3595     |
| 3-0407   | 36        | 0,3595     |
| 3-0457   | 36        | 0,3595     |
| 3-0477   | 36        | 0,3595     |
| 3-0006   | 37        | 0,5231     |
| 3-0075   | 37        | 0,5231     |
| 3-0345   | 37        | 0,5231     |
| 3-0383   | 37        | 0,5231     |
| 3-0040   | 38        | 0,6868     |
| 3-0199   | 38        | 0,6868     |
| 3-0221   | 38        | 0,6868     |
| 3-0371   | 38        | 0,6868     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0398   | 38        | 0,6868     |
| 3-0454   | 38        | 0,6868     |
| 3-0396   | 39        | 0,8505     |
| 3-0277   | 40        | 1,0141     |
| 3-0452   | 40        | 1,0141     |
| 3-0466   | 40        | 1,0141     |
| 3-0303   | 41        | 1,1778     |
| 3-0367   | 41        | 1,1778     |
| 3-0126   | 42        | 1,3415     |
| 3-0272   | 45        | 1,8325     |
| 3-0153   | 48        | 2,3235     |
| 3-0207   | 48        | 2,3235     |
| 3-0480   | 53        | 3,1418     |
| 3-0306   | 116       | 13,4527    |
| 3-0081   | 390       | 58,2969    |

**Ringversuch:** 3-2013  
**Parameter:** Koloniezahl bei 36°C  
**Einheit:** n / ml  
**Gruppe:** B  
**Verfahren:** TrinkwV 2001 Anl. 5 I d) bb)  
**Anzahl Werte:** 125

**Sollwert (Mittelwert nach Hampel):** 37,72

**Soll-Standardabweichung:** 4,703

**rel. Soll-Standardabw. [%]:** 12,47

**Ausschlussgrenze unten:** 28

**Ausschlussgrenze oben:** 48

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0329   | 20        | -3,9861    |
| 3-0386   | 27        | -2,4113    |
| 3-0482   | 27        | -2,4113    |
| 3-0173   | 28        | -2,1863    |
| 3-0043   | 29        | -1,9613    |
| 3-0065   | 29        | -1,9613    |
| 3-0130   | 29        | -1,9613    |
| 3-0286   | 30        | -1,7363    |
| 3-0223   | 31        | -1,5114    |
| 3-0308   | 31        | -1,5114    |
| 3-0401   | 31        | -1,5114    |
| 3-0474   | 31        | -1,5114    |
| 3-0184   | 32        | -1,2864    |
| 3-0213   | 32        | -1,2864    |
| 3-0440   | 32        | -1,2864    |
| 3-0150   | 33        | -1,0614    |
| 3-0169   | 33        | -1,0614    |
| 3-0457   | 33        | -1,0614    |
| 3-0036   | 34        | -0,8364    |
| 3-0038   | 34        | -0,8364    |
| 3-0107   | 34        | -0,8364    |
| 3-0116   | 34        | -0,8364    |
| 3-0148   | 34        | -0,8364    |
| 3-0166   | 34        | -0,8364    |
| 3-0171   | 34        | -0,8364    |
| 3-0237   | 34        | -0,8364    |
| 3-0326   | 34        | -0,8364    |
| 3-0002   | 35        | -0,6115    |
| 3-0010   | 35        | -0,6115    |
| 3-0033   | 35        | -0,6115    |
| 3-0054   | 35        | -0,6115    |
| 3-0056   | 35        | -0,6115    |
| 3-0188   | 35        | -0,6115    |
| 3-0191   | 35        | -0,6115    |
| 3-0197   | 35        | -0,6115    |
| 3-0219   | 35        | -0,6115    |
| 3-0248   | 35        | -0,6115    |
| 3-0283   | 35        | -0,6115    |
| 3-0371   | 35        | -0,6115    |
| 3-0461   | 35        | -0,6115    |
| 3-0103   | 36        | -0,3865    |
| 3-0124   | 36        | -0,3865    |
| 3-0182   | 36        | -0,3865    |
| 3-0233   | 36        | -0,3865    |
| 3-0375   | 36        | -0,3865    |
| 3-0434   | 36        | -0,3865    |
| 3-0469   | 36        | -0,3865    |
| 3-0477   | 36        | -0,3865    |
| 3-0004   | 37        | -0,1615    |
| 3-0008   | 37        | -0,1615    |
| 3-0012   | 37        | -0,1615    |
| 3-0052   | 37        | -0,1615    |
| 3-0069   | 37        | -0,1615    |
| 3-0088   | 37        | -0,1615    |
| 3-0119   | 37        | -0,1615    |
| 3-0204   | 37        | -0,1615    |
| 3-0243   | 37        | -0,1615    |
| 3-0378   | 37        | -0,1615    |
| 3-0050   | 38        | 0,0560     |
| 3-0061   | 38        | 0,0560     |
| 3-0083   | 38        | 0,0560     |
| 3-0086   | 38        | 0,0560     |
| 3-0141   | 38        | 0,0560     |
| 3-0155   | 38        | 0,0560     |
| 3-0175   | 38        | 0,0560     |
| 3-0221   | 38        | 0,0560     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0255   | 38        | 0,0560     |
| 3-0272   | 38        | 0,0560     |
| 3-0388   | 38        | 0,0560     |
| 3-0392   | 38        | 0,0560     |
| 3-0412   | 38        | 0,0560     |
| 3-0420   | 38        | 0,0560     |
| 3-0059   | 39        | 0,2547     |
| 3-0075   | 39        | 0,2547     |
| 3-0093   | 39        | 0,2547     |
| 3-0109   | 39        | 0,2547     |
| 3-0179   | 39        | 0,2547     |
| 3-0209   | 39        | 0,2547     |
| 3-0216   | 39        | 0,2547     |
| 3-0295   | 39        | 0,2547     |
| 3-0436   | 39        | 0,2547     |
| 3-0472   | 39        | 0,2547     |
| 3-0488   | 39        | 0,2547     |
| 3-0021   | 40        | 0,4533     |
| 3-0067   | 40        | 0,4533     |
| 3-0126   | 40        | 0,4533     |
| 3-0135   | 40        | 0,4533     |
| 3-0319   | 40        | 0,4533     |
| 3-0342   | 40        | 0,4533     |
| 3-0380   | 40        | 0,4533     |
| 3-0407   | 40        | 0,4533     |
| 3-0445   | 40        | 0,4533     |
| 3-0019   | 41        | 0,6519     |
| 3-0025   | 41        | 0,6519     |
| 3-0030   | 41        | 0,6519     |
| 3-0046   | 41        | 0,6519     |
| 3-0097   | 41        | 0,6519     |
| 3-0121   | 41        | 0,6519     |
| 3-0132   | 41        | 0,6519     |
| 3-0177   | 41        | 0,6519     |
| 3-0228   | 41        | 0,6519     |
| 3-0263   | 41        | 0,6519     |
| 3-0231   | 42        | 0,8506     |
| 3-0322   | 42        | 0,8506     |
| 3-0324   | 42        | 0,8506     |
| 3-0424   | 42        | 0,8506     |
| 3-0431   | 42        | 0,8506     |
| 3-0146   | 43        | 1,0492     |
| 3-0245   | 43        | 1,0492     |
| 3-0357   | 43        | 1,0492     |
| 3-0373   | 43        | 1,0492     |
| 3-0023   | 44        | 1,2478     |
| 3-0072   | 45        | 1,4465     |
| 3-0310   | 45        | 1,4465     |
| 3-0418   | 45        | 1,4465     |
| 3-0153   | 46        | 1,6451     |
| 3-0160   | 46        | 1,6451     |
| 3-0363   | 46        | 1,6451     |
| 3-0415   | 46        | 1,6451     |
| 3-0239   | 47        | 1,8437     |
| 3-0258   | 47        | 1,8437     |
| 3-0048   | 48        | 2,0423     |
| 3-0186   | 49        | 2,2410     |
| 3-0336   | 56        | 3,6314     |
| 3-0251   | 59        | 4,2273     |

**Ringversuch:** 3-2013  
**Parameter:** Legionella spec.  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Verfahren:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 97

**Sollwert (Mittelwert nach Hampel):** 19,56

**Soll-Standardabweichung:** 9,944

**rel. Soll-Standardabw. [%]:** 50,85

**Ausschlussgrenze unten:** 4

**Ausschlussgrenze oben:** 46

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0212   | 0         | -2,5948    |
| 3-0219   | 0         | -2,5948    |
| 3-0348   | 2         | -2,3295    |
| 3-0016   | 4         | -2,0641    |
| 3-0260   | 4         | -2,0641    |
| 3-0026   | 5         | -1,9314    |
| 3-0325   | 5         | -1,9314    |
| 3-0342   | 5         | -1,9314    |
| 3-0086   | 7         | -1,6660    |
| 3-0337   | 7         | -1,6660    |
| 3-0242   | 8         | -1,5333    |
| 3-0148   | 9         | -1,4006    |
| 3-0298   | 9         | -1,4006    |
| 3-0012   | 10        | -1,2680    |
| 3-0073   | 10        | -1,2680    |
| 3-0176   | 10        | -1,2680    |
| 3-0310   | 11        | -1,1353    |
| 3-0001   | 12        | -1,0026    |
| 3-0168   | 12        | -1,0026    |
| 3-0234   | 12        | -1,0026    |
| 3-0254   | 12        | -1,0026    |
| 3-0372   | 12        | -1,0026    |
| 3-0134   | 13        | -0,8699    |
| 3-0405   | 13        | -0,8699    |
| 3-0100   | 14        | -0,7372    |
| 3-0186   | 14        | -0,7372    |
| 3-0353   | 14        | -0,7372    |
| 3-0053   | 15        | -0,6045    |
| 3-0093   | 15        | -0,6045    |
| 3-0138   | 15        | -0,6045    |
| 3-0172   | 15        | -0,6045    |
| 3-0434   | 15        | -0,6045    |
| 3-0190   | 16        | -0,4718    |
| 3-0199   | 16        | -0,4718    |
| 3-0333   | 16        | -0,4718    |
| 3-0040   | 17        | -0,3391    |
| 3-0045   | 17        | -0,3391    |
| 3-0457   | 17        | -0,3391    |
| 3-0004   | 18        | -0,2064    |
| 3-0116   | 18        | -0,2064    |
| 3-0295   | 18        | -0,2064    |
| 3-0388   | 18        | -0,2064    |
| 3-0440   | 18        | -0,2064    |
| 3-0143   | 19        | -0,0738    |
| 3-0426   | 19        | -0,0738    |
| 3-0195   | 20        | 0,0339     |
| 3-0207   | 20        | 0,0339     |
| 3-0251   | 20        | 0,0339     |
| 3-0266   | 20        | 0,0339     |
| 3-0418   | 20        | 0,0339     |
| 3-0063   | 21        | 0,1102     |
| 3-0076   | 21        | 0,1102     |
| 3-0151   | 21        | 0,1102     |
| 3-0230   | 21        | 0,1102     |
| 3-0317   | 21        | 0,1102     |
| 3-0430   | 21        | 0,1102     |
| 3-0022   | 22        | 0,1865     |
| 3-0079   | 22        | 0,1865     |
| 3-0422   | 22        | 0,1865     |
| 3-0449   | 22        | 0,1865     |
| 3-0223   | 23        | 0,2629     |
| 3-0263   | 23        | 0,2629     |
| 3-0360   | 23        | 0,2629     |
| 3-0107   | 24        | 0,3392     |
| 3-0304   | 24        | 0,3392     |
| 3-0437   | 24        | 0,3392     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0468   | 24        | 0,3392     |
| 3-0155   | 25        | 0,4155     |
| 3-0163   | 25        | 0,4155     |
| 3-0247   | 25        | 0,4155     |
| 3-0399   | 25        | 0,4155     |
| 3-0412   | 25        | 0,4155     |
| 3-0068   | 26        | 0,4918     |
| 3-0257   | 26        | 0,4918     |
| 3-0283   | 26        | 0,4918     |
| 3-0476   | 26        | 0,4918     |
| 3-0160   | 27        | 0,5682     |
| 3-0276   | 27        | 0,5682     |
| 3-0008   | 28        | 0,6445     |
| 3-0270   | 28        | 0,6445     |
| 3-0131   | 29        | 0,7208     |
| 3-0029   | 30        | 0,7971     |
| 3-0119   | 30        | 0,7971     |
| 3-0204   | 30        | 0,7971     |
| 3-0237   | 30        | 0,7971     |
| 3-0180   | 31        | 0,8735     |
| 3-0382   | 32        | 0,9498     |
| 3-0376   | 34        | 1,1024     |
| 3-0279   | 35        | 1,1788     |
| 3-0367   | 37        | 1,3314     |
| 3-0058   | 38        | 1,4077     |
| 3-0083   | 38        | 1,4077     |
| 3-0035   | 41        | 1,6367     |
| 3-0050   | 48        | 2,1710     |
| 3-0123   | 49        | 2,2473     |
| 3-0096   | 61        | 3,1632     |
| 3-0402   | 110       | 6,9031     |

**Ringversuch:** 3-2013  
**Parameter:** Legionella spec.  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Verfahren:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 99

**Sollwert (Mittelwert nach Hampel):** 16,87

**Soll-Standardabweichung:** 8,486

**rel. Soll-Standardabw. [%]:** 50,30

**Ausschlussgrenze unten:** 3

**Ausschlussgrenze oben:** 40

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0129   | 0         | -2,6069    |
| 3-0361   | 0         | -2,6069    |
| 3-0419   | 0         | -2,6069    |
| 3-0431   | 0         | -2,6069    |
| 3-0477   | 0         | -2,6069    |
| 3-0267   | 2         | -2,2978    |
| 3-0114   | 4         | -1,9888    |
| 3-0238   | 4         | -1,9888    |
| 3-0344   | 4         | -1,9888    |
| 3-0187   | 5         | -1,8343    |
| 3-0071   | 7         | -1,5253    |
| 3-0144   | 7         | -1,5253    |
| 3-0182   | 8         | -1,3708    |
| 3-0235   | 8         | -1,3708    |
| 3-0335   | 8         | -1,3708    |
| 3-0149   | 9         | -1,2163    |
| 3-0005   | 10        | -1,0617    |
| 3-0074   | 10        | -1,0617    |
| 3-0255   | 10        | -1,0617    |
| 3-0285   | 10        | -1,0617    |
| 3-0293   | 10        | -1,0617    |
| 3-0014   | 11        | -0,9072    |
| 3-0261   | 11        | -0,9072    |
| 3-0396   | 11        | -0,9072    |
| 3-0140   | 12        | -0,7527    |
| 3-0258   | 12        | -0,7527    |
| 3-0311   | 12        | -0,7527    |
| 3-0339   | 12        | -0,7527    |
| 3-0358   | 12        | -0,7527    |
| 3-0452   | 12        | -0,7527    |
| 3-0323   | 13        | -0,5982    |
| 3-0027   | 14        | -0,4437    |
| 3-0042   | 14        | -0,4437    |
| 3-0272   | 14        | -0,4437    |
| 3-0416   | 14        | -0,4437    |
| 3-0051   | 15        | -0,2892    |
| 3-0087   | 15        | -0,2892    |
| 3-0153   | 15        | -0,2892    |
| 3-0197   | 15        | -0,2892    |
| 3-0243   | 15        | -0,2892    |
| 3-0391   | 15        | -0,2892    |
| 3-0438   | 15        | -0,2892    |
| 3-0472   | 15        | -0,2892    |
| 3-0046   | 16        | -0,1347    |
| 3-0084   | 16        | -0,1347    |
| 3-0191   | 16        | -0,1347    |
| 3-0226   | 16        | -0,1347    |
| 3-0264   | 16        | -0,1347    |
| 3-0373   | 16        | -0,1347    |
| 3-0427   | 16        | -0,1347    |
| 3-0065   | 17        | 0,0115     |
| 3-0108   | 17        | 0,0115     |
| 3-0136   | 17        | 0,0115     |
| 3-0158   | 17        | 0,0115     |
| 3-0385   | 17        | 0,0115     |
| 3-0423   | 17        | 0,0115     |
| 3-0161   | 18        | 0,1010     |
| 3-0173   | 18        | 0,1010     |
| 3-0249   | 18        | 0,1010     |
| 3-0296   | 18        | 0,1010     |
| 3-0091   | 19        | 0,1906     |
| 3-0094   | 19        | 0,1906     |
| 3-0400   | 19        | 0,1906     |
| 3-0023   | 20        | 0,2801     |
| 3-0077   | 20        | 0,2801     |
| 3-0221   | 20        | 0,2801     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0277   | 20        | 0,2801     |
| 3-0328   | 20        | 0,2801     |
| 3-0349   | 20        | 0,2801     |
| 3-0036   | 21        | 0,3696     |
| 3-0120   | 21        | 0,3696     |
| 3-0169   | 21        | 0,3696     |
| 3-0097   | 22        | 0,4592     |
| 3-0125   | 22        | 0,4592     |
| 3-0132   | 22        | 0,4592     |
| 3-0205   | 22        | 0,4592     |
| 3-0214   | 22        | 0,4592     |
| 3-0009   | 23        | 0,5487     |
| 3-0407   | 23        | 0,5487     |
| 3-0032   | 24        | 0,6383     |
| 3-0305   | 24        | 0,6383     |
| 3-0061   | 25        | 0,7278     |
| 3-0302   | 25        | 0,7278     |
| 3-0442   | 25        | 0,7278     |
| 3-0403   | 26        | 0,8173     |
| 3-0252   | 27        | 0,9069     |
| 3-0280   | 27        | 0,9069     |
| 3-0117   | 28        | 0,9964     |
| 3-0177   | 28        | 0,9964     |
| 3-0018   | 30        | 1,1755     |
| 3-0435   | 30        | 1,1755     |
| 3-0200   | 31        | 1,2650     |
| 3-0081   | 32        | 1,3545     |
| 3-0165   | 32        | 1,3545     |
| 3-0208   | 32        | 1,3545     |
| 3-0002   | 33        | 1,4441     |
| 3-0054   | 33        | 1,4441     |
| 3-0378   | 35        | 1,6232     |
| 3-0368   | 42        | 2,2499     |

**Ringversuch:** 3-2013  
**Parameter:** Legionella spec.  
**Einheit:** n / ml  
**Gruppe:** C  
**Verfahren:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 97

**Sollwert (Mittelwert nach Hampel):** 13  
**Soll-Standardabweichung:** 7,606  
**rel. Soll-Standardabw. [%]:** 58,49  
**Ausschlussgrenze unten:** 2  
**Ausschlussgrenze oben:** 34

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0375   | 0         | -2,4724    |
| 3-0010   | 1         | -2,2822    |
| 3-0115   | 2         | -2,0921    |
| 3-0227   | 2         | -2,0921    |
| 3-0025   | 3         | -1,9020    |
| 3-0170   | 3         | -1,9020    |
| 3-0371   | 3         | -1,9020    |
| 3-0432   | 3         | -1,9020    |
| 3-0206   | 4         | -1,7118    |
| 3-0268   | 4         | -1,7118    |
| 3-0439   | 4         | -1,7118    |
| 3-0159   | 5         | -1,5217    |
| 3-0278   | 5         | -1,5217    |
| 3-0380   | 5         | -1,5217    |
| 3-0420   | 5         | -1,5217    |
| 3-0075   | 6         | -1,3315    |
| 3-0179   | 6         | -1,3315    |
| 3-0201   | 6         | -1,3315    |
| 3-0274   | 6         | -1,3315    |
| 3-0281   | 6         | -1,3315    |
| 3-0294   | 6         | -1,3315    |
| 3-0324   | 6         | -1,3315    |
| 3-0043   | 7         | -1,1414    |
| 3-0067   | 7         | -1,1414    |
| 3-0209   | 7         | -1,1414    |
| 3-0297   | 7         | -1,1414    |
| 3-0095   | 8         | -0,9513    |
| 3-0121   | 8         | -0,9513    |
| 3-0133   | 8         | -0,9513    |
| 3-0365   | 8         | -0,9513    |
| 3-0394   | 8         | -0,9513    |
| 3-0085   | 9         | -0,7611    |
| 3-0347   | 9         | -0,7611    |
| 3-0039   | 10        | -0,5710    |
| 3-0103   | 10        | -0,5710    |
| 3-0387   | 10        | -0,5710    |
| 3-0482   | 10        | -0,5710    |
| 3-0130   | 11        | -0,3809    |
| 3-0048   | 12        | -0,1907    |
| 3-0057   | 12        | -0,1907    |
| 3-0072   | 12        | -0,1907    |
| 3-0082   | 12        | -0,1907    |
| 3-0253   | 12        | -0,1907    |
| 3-0314   | 12        | -0,1907    |
| 3-0397   | 12        | -0,1907    |
| 3-0447   | 12        | -0,1907    |
| 3-0028   | 13        | -0,0006    |
| 3-0126   | 13        | -0,0006    |
| 3-0141   | 13        | -0,0006    |
| 3-0147   | 13        | -0,0006    |
| 3-0166   | 13        | -0,0006    |
| 3-0003   | 14        | 0,0984     |
| 3-0015   | 14        | 0,0984     |
| 3-0092   | 14        | 0,0984     |
| 3-0188   | 14        | 0,0984     |
| 3-0193   | 14        | 0,0984     |
| 3-0250   | 14        | 0,0984     |
| 3-0259   | 14        | 0,0984     |
| 3-0088   | 15        | 0,1970     |
| 3-0332   | 15        | 0,1970     |
| 3-0401   | 15        | 0,1970     |
| 3-0456   | 15        | 0,1970     |
| 3-0062   | 16        | 0,2957     |
| 3-0236   | 16        | 0,2957     |
| 3-0286   | 16        | 0,2957     |
| 3-0216   | 17        | 0,3944     |

| Code-Nr. | Laborwert | Z(u)-Score |
|----------|-----------|------------|
| 3-0306   | 17        | 0,3944     |
| 3-0359   | 17        | 0,3944     |
| 3-0078   | 18        | 0,4931     |
| 3-0265   | 18        | 0,4931     |
| 3-0336   | 18        | 0,4931     |
| 3-0408   | 18        | 0,4931     |
| 3-0162   | 19        | 0,5917     |
| 3-0198   | 19        | 0,5917     |
| 3-0245   | 19        | 0,5917     |
| 3-0262   | 19        | 0,5917     |
| 3-0303   | 19        | 0,5917     |
| 3-0436   | 19        | 0,5917     |
| 3-0019   | 20        | 0,6904     |
| 3-0341   | 20        | 0,6904     |
| 3-0404   | 20        | 0,6904     |
| 3-0467   | 20        | 0,6904     |
| 3-0474   | 20        | 0,6904     |
| 3-0007   | 21        | 0,7891     |
| 3-0099   | 21        | 0,7891     |
| 3-0351   | 21        | 0,7891     |
| 3-0150   | 22        | 0,8878     |
| 3-0034   | 23        | 0,9864     |
| 3-0052   | 24        | 1,0851     |
| 3-0137   | 25        | 1,1838     |
| 3-0184   | 25        | 1,1838     |
| 3-0425   | 25        | 1,1838     |
| 3-0109   | 26        | 1,2825     |
| 3-0154   | 27        | 1,3811     |
| 3-0175   | 34        | 2,0719     |
| 3-0240   | 35        | 2,1705     |
| 3-0429   | 36        | 2,2692     |