

**Ringversuch:** 4-2012  
**Parameter:** Bakteriophage 174  
**Einheit:** pfp / ml  
**Gruppe:** A  
**Methode:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 19

**Sollwert (Mittelwert nach Hampel):** 34,34  
**Soll-Standardabweichung:** 8,814  
**rel. Soll-Standardabw. [%]:** 25,67  
**Ausschlussgrenze unten:** 18  
**Ausschlussgrenze oben:** 55

Code-Nr.	Laborwert	Z(u)-Score
4-0044	8	-3,3143
4-0122	12	-2,8111
4-0186	21	-1,6786
4-0133	26	-1,0495
4-0306	27	-0,9237
4-0076	31	-0,4204
4-0091	31	-0,4204
4-0056	35	0,0641
4-0188	36	0,1615
4-0380	36	0,1615
4-0398	36	0,1615
4-0118	38	0,3562
4-0046	39	0,4535
4-0164	39	0,4535
4-0202	39	0,4535
4-0176	40	0,5509
4-0250	41	0,6482
4-0078	49	1,4270
4-0132	53	1,8164

Code-Nr.	Laborwert	Z(u)-Score
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**Ringversuch:** 4-2012  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Methode:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 112

**Sollwert (Mittelwert nach Hampel):** 24,6  
**Soll-Standardabweichung:** 6,713  
**rel. Soll-Standardabw. [%]:** 27,28  
**Ausschlussgrenze unten:** 12  
**Ausschlussgrenze oben:** 41

Code-Nr.	Laborwert	Z(u)-Score
4-0391	0	-4,0860
4-0051	11	-2,2592
4-0054	14	-1,7609
4-0217	14	-1,7609
4-0245	15	-1,5948
4-0372	15	-1,5948
4-0160	16	-1,4288
4-0181	16	-1,4288
4-0318	16	-1,4288
4-0260	17	-1,2627
4-0036	18	-1,0966
4-0085	18	-1,0966
4-0088	18	-1,0966
4-0148	18	-1,0966
4-0151	18	-1,0966
4-0228	18	-1,0966
4-0011	19	-0,9305
4-0081	19	-0,9305
4-0369	19	-0,9305
4-0386	19	-0,9305
4-0110	20	-0,7645
4-0173	20	-0,7645
4-0225	20	-0,7645
4-0234	20	-0,7645
4-0237	20	-0,7645
4-0330	20	-0,7645
4-0346	20	-0,7645
4-0383	20	-0,7645
4-0424	20	-0,7645
4-0501	20	-0,7645
4-0060	21	-0,5984
4-0070	21	-0,5984
4-0092	21	-0,5984
4-0122	21	-0,5984
4-0156	21	-0,5984
4-0357	21	-0,5984
4-0022	22	-0,4323
4-0143	22	-0,4323
4-0176	22	-0,4323
4-0185	22	-0,4323
4-0190	22	-0,4323
4-0211	22	-0,4323
4-0270	22	-0,4323
4-0016	23	-0,2662
4-0114	23	-0,2662
4-0280	23	-0,2662
4-0292	23	-0,2662
4-0325	23	-0,2662
4-0421	23	-0,2662
4-0057	24	-0,1002
4-0104	24	-0,1002
4-0125	24	-0,1002
4-0163	24	-0,1002
4-0166	24	-0,1002
4-0193	24	-0,1002
4-0283	24	-0,1002
4-0289	24	-0,1002
4-0306	24	-0,1002
4-0406	24	-0,1002
4-0410	24	-0,1002
4-0001	25	0,0502
4-0033	25	0,0502
4-0044	25	0,0502
4-0248	25	0,0502
4-0252	25	0,0502
4-0286	25	0,0502
4-0313	25	0,0502

Code-Nr.	Laborwert	Z(u)-Score
4-0077	26	0,1766
4-0140	26	0,1766
4-0360	26	0,1766
4-0458	26	0,1766
4-0048	27	0,3030
4-0133	27	0,3030
4-0136	27	0,3030
4-0242	27	0,3030
4-0436	27	0,3030
4-0007	28	0,4294
4-0029	28	0,4294
4-0119	28	0,4294
4-0205	28	0,4294
4-0073	29	0,5558
4-0202	29	0,5558
4-0397	29	0,5558
4-0428	29	0,5558
4-0489	29	0,5558
4-0019	30	0,6821
4-0257	30	0,6821
4-0418	30	0,6821
4-0446	30	0,6821
4-0101	31	0,8085
4-0214	31	0,8085
4-0264	31	0,8085
4-0337	32	0,9349
4-0402	32	0,9349
4-0443	32	0,9349
4-0170	33	1,0613
4-0208	33	1,0613
4-0486	34	1,1877
4-0025	35	1,3141
4-0231	35	1,3141
4-0276	35	1,3141
4-0461	35	1,3141
4-0107	36	1,4405
4-0129	37	1,5669
4-0439	37	1,5669
4-0198	39	1,8197
4-0301	39	1,8197
4-0470	40	1,9461
4-0476	48	2,9573
4-0377	57	4,0948
4-0340	63	4,8532
4-0098	222	24,9502

**Ringversuch:** 4-2012  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Methode:** Colilert-18  
**Anzahl Werte:** 27

**Sollwert (Mittelwert nach Hampel):** 21,67  
**Soll-Standardabweichung:** 5,103  
**rel. Soll-Standardabw. [%]:** 23,55  
**Ausschlussgrenze unten:** 12  
**Ausschlussgrenze oben:** 34

Code-Nr.	Laborwert	Z(u)-Score
4-0054	14	-1,6547
4-0245	15	-1,4388
4-0181	16	-1,2230
4-0318	16	-1,2230
4-0085	18	-0,7912
4-0148	18	-0,7912
4-0151	18	-0,7912
4-0011	19	-0,5754
4-0369	19	-0,5754
4-0386	19	-0,5754
4-0501	20	-0,3595
4-0070	21	-0,1437
4-0092	21	-0,1437
4-0022	22	0,0570
4-0176	22	0,0570
4-0185	22	0,0570
4-0211	22	0,0570
4-0193	24	0,3983
4-0306	24	0,3983
4-0406	24	0,3983
4-0248	25	0,5689
4-0286	25	0,5689
4-0140	26	0,7395
4-0136	27	0,9101
4-0101	31	1,5925
4-0402	32	1,7631
4-0208	33	1,9337

Code-Nr.	Laborwert	Z(u)-Score
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**Ringversuch:** 4-2012  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Methode:** DIN EN ISO 9308-1  
**Anzahl Werte:** 85

**Sollwert (Mittelwert nach Hampel):** 25,67  
**Soll-Standardabweichung:** 7,13  
**rel. Soll-Standardabw. [%]:** 27,77  
**Ausschlussgrenze unten:** 12  
**Ausschlussgrenze oben:** 43

Code-Nr.	Laborwert	Z(u)-Score
4-0391	0	-4,0209
4-0051	11	-2,2981
4-0217	14	-1,8283
4-0372	15	-1,6717
4-0160	16	-1,5151
4-0260	17	-1,3584
4-0036	18	-1,2018
4-0088	18	-1,2018
4-0228	18	-1,2018
4-0081	19	-1,0452
4-0110	20	-0,8886
4-0173	20	-0,8886
4-0225	20	-0,8886
4-0234	20	-0,8886
4-0237	20	-0,8886
4-0330	20	-0,8886
4-0346	20	-0,8886
4-0383	20	-0,8886
4-0424	20	-0,8886
4-0060	21	-0,7320
4-0122	21	-0,7320
4-0156	21	-0,7320
4-0357	21	-0,7320
4-0143	22	-0,5754
4-0190	22	-0,5754
4-0270	22	-0,5754
4-0016	23	-0,4188
4-0114	23	-0,4188
4-0280	23	-0,4188
4-0292	23	-0,4188
4-0325	23	-0,4188
4-0421	23	-0,4188
4-0057	24	-0,2621
4-0104	24	-0,2621
4-0125	24	-0,2621
4-0163	24	-0,2621
4-0166	24	-0,2621
4-0283	24	-0,2621
4-0289	24	-0,2621
4-0410	24	-0,2621
4-0001	25	-0,1055
4-0033	25	-0,1055
4-0044	25	-0,1055
4-0252	25	-0,1055
4-0313	25	-0,1055
4-0077	26	0,0387
4-0360	26	0,0387
4-0458	26	0,0387
4-0048	27	0,1573
4-0133	27	0,1573
4-0242	27	0,1573
4-0436	27	0,1573
4-0007	28	0,2759
4-0029	28	0,2759
4-0119	28	0,2759
4-0205	28	0,2759
4-0073	29	0,3945
4-0202	29	0,3945
4-0397	29	0,3945
4-0428	29	0,3945
4-0489	29	0,3945
4-0019	30	0,5131
4-0257	30	0,5131
4-0418	30	0,5131
4-0446	30	0,5131
4-0214	31	0,6317
4-0264	31	0,6317

Code-Nr.	Laborwert	Z(u)-Score
4-0337	32	0,7503
4-0443	32	0,7503
4-0170	33	0,8689
4-0486	34	0,9875
4-0025	35	1,1061
4-0231	35	1,1061
4-0276	35	1,1061
4-0461	35	1,1061
4-0107	36	1,2247
4-0129	37	1,3433
4-0439	37	1,3433
4-0198	39	1,5805
4-0301	39	1,5805
4-0470	40	1,6991
4-0476	48	2,6480
4-0377	57	3,7154
4-0340	63	4,4270
4-0098	222	23,2849

**Ringversuch:** 4-2012  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Methode:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 110

**Sollwert (Mittelwert nach Hampel):** 22,53  
**Soll-Standardabweichung:** 9,254  
**rel. Soll-Standardabw. [%]:** 41,06  
**Ausschlussgrenze unten:** 7  
**Ausschlussgrenze oben:** 47

Code-Nr.	Laborwert	Z(u)-Score
4-0034	0	-2,9145
4-0392	0	-2,9145
4-0474	0	-2,9145
4-0482	0	-2,9145
4-0194	6	-2,1384
4-0265	9	-1,7504
4-0338	9	-1,7504
4-0348	10	-1,6211
4-0387	10	-1,6211
4-0246	11	-1,4918
4-0310	11	-1,4918
4-0003	12	-1,3624
4-0055	12	-1,3624
4-0218	12	-1,3624
4-0278	13	-1,2331
4-0358	13	-1,2331
4-0209	14	-1,1038
4-0258	14	-1,1038
4-0378	14	-1,1038
4-0429	14	-1,1038
4-0105	15	-0,9744
4-0108	15	-0,9744
4-0115	15	-0,9744
4-0137	15	-0,9744
4-0161	15	-0,9744
4-0212	15	-0,9744
4-0253	15	-0,9744
4-0226	16	-0,8451
4-0271	16	-0,8451
4-0384	16	-0,8451
4-0249	17	-0,7158
4-0411	17	-0,7158
4-0455	17	-0,7158
4-0067	18	-0,5864
4-0123	18	-0,5864
4-0179	18	-0,5864
4-0186	18	-0,5864
4-0238	18	-0,5864
4-0052	19	-0,4571
4-0086	19	-0,4571
4-0120	19	-0,4571
4-0407	19	-0,4571
4-0008	20	-0,3278
4-0020	20	-0,3278
4-0093	20	-0,3278
4-0243	21	-0,1984
4-0459	21	-0,1984
4-0149	22	-0,0691
4-0281	22	-0,0691
4-0492	22	-0,0691
4-0099	23	0,0393
4-0112	23	0,0393
4-0206	23	0,0393
4-0235	23	0,0393
4-0354	23	0,0393
4-0023	24	0,1238
4-0171	24	0,1238
4-0229	24	0,1238
4-0232	24	0,1238
4-0332	24	0,1238
4-0361	24	0,1238
4-0370	24	0,1238
4-0487	24	0,1238
4-0045	25	0,2083
4-0074	25	0,2083
4-0083	25	0,2083
4-0130	25	0,2083

Code-Nr.	Laborwert	Z(u)-Score
4-0134	25	0,2083
4-0141	25	0,2083
4-0203	25	0,2083
4-0215	25	0,2083
4-0287	25	0,2083
4-0450	25	0,2083
4-0017	26	0,2928
4-0167	26	0,2928
4-0375	26	0,2928
4-0062	27	0,3772
4-0499	27	0,3772
4-0049	28	0,4617
4-0078	28	0,4617
4-0144	28	0,4617
4-0422	28	0,4617
4-0014	29	0,5462
4-0071	29	0,5462
4-0319	29	0,5462
4-0437	29	0,5462
4-0038	30	0,6306
4-0191	30	0,6306
4-0102	31	0,7151
4-0164	31	0,7151
4-0174	31	0,7151
4-0183	31	0,7151
4-0200	31	0,7151
4-0467	31	0,7151
4-0315	32	0,7996
4-0290	33	0,8840
4-0419	33	0,8840
4-0502	33	0,8840
4-0030	34	0,9685
4-0090	34	0,9685
4-0297	34	0,9685
4-0302	34	0,9685
4-0284	35	1,0530
4-0404	36	1,1374
4-0425	37	1,2219
4-0326	38	1,3064
4-0158	40	1,4753
4-0026	42	1,6442
4-0126	44	1,8132
4-0341	50	2,3200

**Ringversuch:** 4-2012  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Methode:** Colilert-18  
**Anzahl Werte:** 34

**Sollwert (Mittelwert nach Hampel):** 15,47  
**Soll-Standardabweichung:** 4,819  
**rel. Soll-Standardabw. [%]:** 31,15  
**Ausschlussgrenze unten:** 6  
**Ausschlussgrenze oben:** 28

Code-Nr.	Laborwert	Z(u)-Score
4-0194	6	-2,2205
4-0265	9	-1,5171
4-0338	9	-1,5171
4-0348	10	-1,2826
4-0387	10	-1,2826
4-0246	11	-1,0481
4-0003	12	-0,8136
4-0055	12	-0,8136
4-0218	12	-0,8136
4-0278	13	-0,5791
4-0209	14	-0,3446
4-0258	14	-0,3446
4-0429	14	-0,3446
4-0108	15	-0,1101
4-0115	15	-0,1101
4-0137	15	-0,1101
4-0161	15	-0,1101
4-0212	15	-0,1101
4-0253	15	-0,1101
4-0226	16	0,0910
4-0271	16	0,0910
4-0384	16	0,0910
4-0249	17	0,2624
4-0411	17	0,2624
4-0067	18	0,4339
4-0123	18	0,4339
4-0179	18	0,4339
4-0407	19	0,6053
4-0459	21	0,9482
4-0149	22	1,1197
4-0487	24	1,4626
4-0074	25	1,6340
4-0134	25	1,6340
4-0174	31	2,6627

Code-Nr.	Laborwert	Z(u)-Score
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**Ringversuch:** 4-2012  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Methode:** DIN EN ISO 9308-1  
**Anzahl Werte:** 76

**Sollwert (Mittelwert nach Hampel):** 26,1  
**Soll-Standardabweichung:** 7,743  
**rel. Soll-Standardabw. [%]:** 29,66  
**Ausschlussgrenze unten:** 12  
**Ausschlussgrenze oben:** 45

Code-Nr.	Laborwert	Z(u)-Score
4-0034	0	-3,7890
4-0392	0	-3,7890
4-0474	0	-3,7890
4-0482	0	-3,7890
4-0310	11	-2,1923
4-0358	13	-1,9020
4-0378	14	-1,7568
4-0105	15	-1,6117
4-0455	17	-1,3214
4-0186	18	-1,1762
4-0238	18	-1,1762
4-0052	19	-1,0311
4-0086	19	-1,0311
4-0120	19	-1,0311
4-0008	20	-0,8859
4-0020	20	-0,8859
4-0093	20	-0,8859
4-0243	21	-0,7408
4-0281	22	-0,5956
4-0492	22	-0,5956
4-0099	23	-0,4504
4-0112	23	-0,4504
4-0206	23	-0,4504
4-0235	23	-0,4504
4-0354	23	-0,4504
4-0023	24	-0,3053
4-0171	24	-0,3053
4-0229	24	-0,3053
4-0232	24	-0,3053
4-0332	24	-0,3053
4-0361	24	-0,3053
4-0370	24	-0,3053
4-0045	25	-0,1601
4-0083	25	-0,1601
4-0130	25	-0,1601
4-0141	25	-0,1601
4-0203	25	-0,1601
4-0215	25	-0,1601
4-0287	25	-0,1601
4-0450	25	-0,1601
4-0017	26	-0,0150
4-0167	26	-0,0150
4-0375	26	-0,0150
4-0062	27	0,0967
4-0499	27	0,0967
4-0049	28	0,2045
4-0078	28	0,2045
4-0144	28	0,2045
4-0422	28	0,2045
4-0014	29	0,3123
4-0071	29	0,3123
4-0319	29	0,3123
4-0437	29	0,3123
4-0038	30	0,4201
4-0191	30	0,4201
4-0102	31	0,5279
4-0164	31	0,5279
4-0183	31	0,5279
4-0200	31	0,5279
4-0467	31	0,5279
4-0315	32	0,6357
4-0290	33	0,7435
4-0419	33	0,7435
4-0502	33	0,7435
4-0030	34	0,8513
4-0090	34	0,8513
4-0297	34	0,8513

Code-Nr.	Laborwert	Z(u)-Score
4-0302	34	0,8513
4-0284	35	0,9591
4-0404	36	1,0669
4-0425	37	1,1747
4-0326	38	1,2825
4-0158	40	1,4981
4-0026	42	1,7137
4-0126	44	1,9293
4-0341	50	2,5761

**Ringversuch:** 4-2012  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Methode:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 114

**Sollwert (Mittelwert nach Hampel):** 25,8  
**Soll-Standardabweichung:** 8,043  
**rel. Soll-Standardabw. [%]:** 31,17  
**Ausschlussgrenze unten:** 11  
**Ausschlussgrenze oben:** 46

Code-Nr.	Laborwert	Z(u)-Score
4-0184	1	-3,4848
4-0230	5	-2,9228
4-0165	10	-2,2202
4-0275	10	-2,2202
4-0288	10	-2,2202
4-0142	11	-2,0797
4-0401	11	-2,0797
4-0118	12	-1,9391
4-0298	12	-1,9391
4-0024	14	-1,6581
4-0047	14	-1,6581
4-0254	15	-1,5176
4-0328	15	-1,5176
4-0109	16	-1,3771
4-0210	16	-1,3771
4-0376	16	-1,3771
4-0451	16	-1,3771
4-0039	18	-1,0960
4-0438	18	-1,0960
4-0015	19	-0,9555
4-0106	19	-0,9555
4-0216	20	-0,8150
4-0250	20	-0,8150
4-0053	21	-0,6745
4-0100	21	-0,6745
4-0128	21	-0,6745
4-0227	21	-0,6745
4-0268	21	-0,6745
4-0285	21	-0,6745
4-0322	21	-0,6745
4-0457	21	-0,6745
4-0072	22	-0,5340
4-0201	22	-0,5340
4-0259	22	-0,5340
4-0345	22	-0,5340
4-0379	22	-0,5340
4-0390	22	-0,5340
4-0445	22	-0,5340
4-0475	22	-0,5340
4-0028	23	-0,3935
4-0080	23	-0,3935
4-0084	23	-0,3935
4-0135	23	-0,3935
4-0339	23	-0,3935
4-0018	24	-0,2529
4-0056	24	-0,2529
4-0103	24	-0,2529
4-0113	24	-0,2529
4-0131	24	-0,2529
4-0172	24	-0,2529
4-0175	24	-0,2529
4-0236	24	-0,2529
4-0279	25	-0,1124
4-0423	25	-0,1124
4-0244	26	0,0205
4-0282	26	0,0205
4-0359	26	0,0205
4-0420	26	0,0205
4-0485	26	0,0205
4-0035	27	0,1233
4-0043	27	0,1233
4-0091	27	0,1233
4-0124	27	0,1233
4-0155	27	0,1233
4-0396	27	0,1233
4-0076	28	0,2260
4-0159	28	0,2260

Code-Nr.	Laborwert	Z(u)-Score
4-0169	28	0,2260
4-0180	28	0,2260
4-0465	28	0,2260
4-0196	29	0,3287
4-0207	29	0,3287
4-0311	29	0,3287
4-0317	29	0,3287
4-0426	29	0,3287
4-0442	29	0,3287
4-0500	29	0,3287
4-0010	30	0,4314
4-0087	30	0,4314
4-0121	30	0,4314
4-0138	30	0,4314
4-0150	30	0,4314
4-0187	30	0,4314
4-0291	30	0,4314
4-0413	30	0,4314
4-0488	30	0,4314
4-0031	31	0,5341
4-0362	31	0,5341
4-0240	32	0,6368
4-0247	32	0,6368
4-0355	32	0,6368
4-0460	32	0,6368
4-0068	33	0,7395
4-0233	33	0,7395
4-0262	33	0,7395
4-0303	33	0,7395
4-0385	33	0,7395
4-0469	33	0,7395
4-0409	34	0,8423
4-0493	34	0,8423
4-0006	35	0,9450
4-0352	35	0,9450
4-0371	35	0,9450
4-0021	37	1,1504
4-0162	37	1,1504
4-0213	37	1,1504
4-0146	38	1,2531
4-0405	38	1,2531
4-0095	39	1,3558
4-0333	39	1,3558
4-0050	41	1,5613
4-0223	41	1,5613
4-0059	44	1,8694
4-0432	48	2,2803



**Ringversuch:** 4-2012  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Methode:** Colilert-18  
**Anzahl Werte:** 33

**Sollwert (Mittelwert nach Hampel):** 20,38  
**Soll-Standardabweichung:** 6,59  
**rel. Soll-Standardabw. [%]:** 32,34  
**Ausschlussgrenze unten:** 8  
**Ausschlussgrenze oben:** 37

Code-Nr.	Laborwert	Z(u)-Score
4-0165	10	-1,7885
4-0275	10	-1,7885
4-0142	11	-1,6162
4-0401	11	-1,6162
4-0118	12	-1,4439
4-0298	12	-1,4439
4-0024	14	-1,0992
4-0254	15	-0,9269
4-0109	16	-0,7546
4-0210	16	-0,7546
4-0451	16	-0,7546
4-0438	18	-0,4100
4-0106	19	-0,2377
4-0053	21	0,0772
4-0322	21	0,0772
4-0072	22	0,2016
4-0201	22	0,2016
4-0259	22	0,2016
4-0345	22	0,2016
4-0445	22	0,2016
4-0475	22	0,2016
4-0339	23	0,3260
4-0018	24	0,4504
4-0103	24	0,4504
4-0113	24	0,4504
4-0131	24	0,4504
4-0279	25	0,5749
4-0035	27	0,8237
4-0091	27	0,8237
4-0426	29	1,0725
4-0010	30	1,1969
4-0362	31	1,3213
4-0355	32	1,4457

Code-Nr.	Laborwert	Z(u)-Score
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**Ringversuch:** 4-2012  
**Parameter:** Coliforme Bakterien  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Methode:** DIN EN ISO 9308-1  
**Anzahl Werte:** 81

**Sollwert (Mittelwert nach Hampel):** 28,15  
**Soll-Standardabweichung:** 7,406  
**rel. Soll-Standardabw. [%]:** 26,31  
**Ausschlussgrenze unten:** 14  
**Ausschlussgrenze oben:** 46

Code-Nr.	Laborwert	Z(u)-Score
4-0184	1	-4,0742
4-0230	5	-3,4739
4-0288	10	-2,7236
4-0047	14	-2,1234
4-0328	15	-1,9733
4-0376	16	-1,8233
4-0039	18	-1,5231
4-0015	19	-1,3731
4-0216	20	-1,2230
4-0250	20	-1,2230
4-0100	21	-1,0729
4-0128	21	-1,0729
4-0227	21	-1,0729
4-0268	21	-1,0729
4-0285	21	-1,0729
4-0457	21	-1,0729
4-0379	22	-0,9229
4-0390	22	-0,9229
4-0028	23	-0,7728
4-0080	23	-0,7728
4-0084	23	-0,7728
4-0135	23	-0,7728
4-0056	24	-0,6228
4-0172	24	-0,6228
4-0175	24	-0,6228
4-0236	24	-0,6228
4-0423	25	-0,4727
4-0244	26	-0,3226
4-0282	26	-0,3226
4-0359	26	-0,3226
4-0420	26	-0,3226
4-0485	26	-0,3226
4-0043	27	-0,1726
4-0124	27	-0,1726
4-0155	27	-0,1726
4-0396	27	-0,1726
4-0076	28	-0,0225
4-0159	28	-0,0225
4-0169	28	-0,0225
4-0180	28	-0,0225
4-0465	28	-0,0225
4-0196	29	0,0981
4-0207	29	0,0981
4-0311	29	0,0981
4-0317	29	0,0981
4-0442	29	0,0981
4-0500	29	0,0981
4-0087	30	0,2134
4-0121	30	0,2134
4-0138	30	0,2134
4-0150	30	0,2134
4-0187	30	0,2134
4-0291	30	0,2134
4-0413	30	0,2134
4-0488	30	0,2134
4-0031	31	0,3287
4-0240	32	0,4441
4-0247	32	0,4441
4-0460	32	0,4441
4-0068	33	0,5594
4-0233	33	0,5594
4-0262	33	0,5594
4-0303	33	0,5594
4-0385	33	0,5594
4-0469	33	0,5594
4-0409	34	0,6748
4-0493	34	0,6748

Code-Nr.	Laborwert	Z(u)-Score
4-0006	35	0,7901
4-0352	35	0,7901
4-0371	35	0,7901
4-0021	37	1,0208
4-0162	37	1,0208
4-0213	37	1,0208
4-0146	38	1,1362
4-0405	38	1,1362
4-0095	39	1,2515
4-0333	39	1,2515
4-0050	41	1,4822
4-0223	41	1,4822
4-0059	44	1,8283
4-0432	48	2,2897

**Ringversuch:** 4-2012  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Methode:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 112

**Sollwert (Mittelwert nach Hampel):** 24,38  
**Soll-Standardabweichung:** 6,297  
**rel. Soll-Standardabw. [%]:** 25,83  
**Ausschlussgrenze unten:** 13  
**Ausschlussgrenze oben:** 40

Code-Nr.	Laborwert	Z(u)-Score
4-0391	0	-4,2962
4-0051	11	-2,3579
4-0260	13	-2,0054
4-0054	14	-1,8292
4-0217	14	-1,8292
4-0245	15	-1,6530
4-0372	15	-1,6530
4-0160	16	-1,4768
4-0181	16	-1,4768
4-0318	16	-1,4768
4-0036	18	-1,1244
4-0085	18	-1,1244
4-0088	18	-1,1244
4-0148	18	-1,1244
4-0151	18	-1,1244
4-0198	18	-1,1244
4-0228	18	-1,1244
4-0011	19	-0,9481
4-0081	19	-0,9481
4-0369	19	-0,9481
4-0386	19	-0,9481
4-0110	20	-0,7719
4-0173	20	-0,7719
4-0225	20	-0,7719
4-0231	20	-0,7719
4-0234	20	-0,7719
4-0237	20	-0,7719
4-0330	20	-0,7719
4-0346	20	-0,7719
4-0383	20	-0,7719
4-0424	20	-0,7719
4-0501	20	-0,7719
4-0060	21	-0,5957
4-0070	21	-0,5957
4-0092	21	-0,5957
4-0122	21	-0,5957
4-0156	21	-0,5957
4-0357	21	-0,5957
4-0022	22	-0,4195
4-0143	22	-0,4195
4-0176	22	-0,4195
4-0185	22	-0,4195
4-0190	22	-0,4195
4-0211	22	-0,4195
4-0270	22	-0,4195
4-0436	22	-0,4195
4-0016	23	-0,2433
4-0114	23	-0,2433
4-0280	23	-0,2433
4-0292	23	-0,2433
4-0325	23	-0,2433
4-0421	23	-0,2433
4-0057	24	-0,0671
4-0104	24	-0,0671
4-0125	24	-0,0671
4-0163	24	-0,0671
4-0166	24	-0,0671
4-0193	24	-0,0671
4-0283	24	-0,0671
4-0289	24	-0,0671
4-0306	24	-0,0671
4-0406	24	-0,0671
4-0410	24	-0,0671
4-0001	25	0,0843
4-0033	25	0,0843
4-0044	25	0,0843
4-0248	25	0,0843

Code-Nr.	Laborwert	Z(u)-Score
4-0252	25	0,0843
4-0286	25	0,0843
4-0313	25	0,0843
4-0077	26	0,2204
4-0140	26	0,2204
4-0360	26	0,2204
4-0458	26	0,2204
4-0048	27	0,3565
4-0133	27	0,3565
4-0136	27	0,3565
4-0242	27	0,3565
4-0007	28	0,4926
4-0029	28	0,4926
4-0119	28	0,4926
4-0205	28	0,4926
4-0073	29	0,6287
4-0202	29	0,6287
4-0397	29	0,6287
4-0428	29	0,6287
4-0489	29	0,6287
4-0019	30	0,7649
4-0257	30	0,7649
4-0418	30	0,7649
4-0446	30	0,7649
4-0101	31	0,9010
4-0214	31	0,9010
4-0264	31	0,9010
4-0377	31	0,9010
4-0337	32	1,0371
4-0402	32	1,0371
4-0443	32	1,0371
4-0170	33	1,1732
4-0208	33	1,1732
4-0470	34	1,3093
4-0486	34	1,3093
4-0025	35	1,4454
4-0276	35	1,4454
4-0461	35	1,4454
4-0107	36	1,5815
4-0340	36	1,5815
4-0476	36	1,5815
4-0129	37	1,7176
4-0439	37	1,7176
4-0301	39	1,9899
4-0098	222	26,8984

**Ringversuch:** 4-2012  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Methode:** Colilert-18  
**Anzahl Werte:** 27

**Sollwert (Mittelwert nach Hampel):** 21,67  
**Soll-Standardabweichung:** 5,103  
**rel. Soll-Standardabw. [%]:** 23,55  
**Ausschlussgrenze unten:** 12  
**Ausschlussgrenze oben:** 34

Code-Nr.	Laborwert	Z(u)-Score
4-0054	14	-1,6547
4-0245	15	-1,4388
4-0181	16	-1,2230
4-0318	16	-1,2230
4-0085	18	-0,7912
4-0148	18	-0,7912
4-0151	18	-0,7912
4-0011	19	-0,5754
4-0369	19	-0,5754
4-0386	19	-0,5754
4-0501	20	-0,3595
4-0070	21	-0,1437
4-0092	21	-0,1437
4-0022	22	0,0570
4-0176	22	0,0570
4-0185	22	0,0570
4-0211	22	0,0570
4-0193	24	0,3983
4-0306	24	0,3983
4-0406	24	0,3983
4-0248	25	0,5689
4-0286	25	0,5689
4-0140	26	0,7395
4-0136	27	0,9101
4-0101	31	1,5925
4-0402	32	1,7631
4-0208	33	1,9337

Code-Nr.	Laborwert	Z(u)-Score
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**Ringversuch:** 4-2012  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Methode:** DIN EN ISO 9308-1  
**Anzahl Werte:** 85

**Sollwert (Mittelwert nach Hampel):** 25,32  
**Soll-Standardabweichung:** 6,589  
**rel. Soll-Standardabw. [%]:** 26,02  
**Ausschlussgrenze unten:** 13  
**Ausschlussgrenze oben:** 41

Code-Nr.	Laborwert	Z(u)-Score
4-0391	0	-4,2668
4-0051	11	-2,4132
4-0260	13	-2,0762
4-0217	14	-1,9077
4-0372	15	-1,7392
4-0160	16	-1,5707
4-0036	18	-1,2337
4-0088	18	-1,2337
4-0198	18	-1,2337
4-0228	18	-1,2337
4-0081	19	-1,0652
4-0110	20	-0,8966
4-0173	20	-0,8966
4-0225	20	-0,8966
4-0231	20	-0,8966
4-0234	20	-0,8966
4-0237	20	-0,8966
4-0330	20	-0,8966
4-0346	20	-0,8966
4-0383	20	-0,8966
4-0424	20	-0,8966
4-0060	21	-0,7281
4-0122	21	-0,7281
4-0156	21	-0,7281
4-0357	21	-0,7281
4-0143	22	-0,5596
4-0190	22	-0,5596
4-0270	22	-0,5596
4-0436	22	-0,5596
4-0016	23	-0,3911
4-0114	23	-0,3911
4-0280	23	-0,3911
4-0292	23	-0,3911
4-0325	23	-0,3911
4-0421	23	-0,3911
4-0057	24	-0,2226
4-0104	24	-0,2226
4-0125	24	-0,2226
4-0163	24	-0,2226
4-0166	24	-0,2226
4-0283	24	-0,2226
4-0289	24	-0,2226
4-0410	24	-0,2226
4-0001	25	-0,0541
4-0033	25	-0,0541
4-0044	25	-0,0541
4-0252	25	-0,0541
4-0313	25	-0,0541
4-0077	26	0,0882
4-0360	26	0,0882
4-0458	26	0,0882
4-0048	27	0,2181
4-0133	27	0,2181
4-0242	27	0,2181
4-0007	28	0,3480
4-0029	28	0,3480
4-0119	28	0,3480
4-0205	28	0,3480
4-0073	29	0,4779
4-0202	29	0,4779
4-0397	29	0,4779
4-0428	29	0,4779
4-0489	29	0,4779
4-0019	30	0,6078
4-0257	30	0,6078
4-0418	30	0,6078
4-0446	30	0,6078

Code-Nr.	Laborwert	Z(u)-Score
4-0214	31	0,7377
4-0264	31	0,7377
4-0377	31	0,7377
4-0337	32	0,8676
4-0443	32	0,8676
4-0170	33	0,9975
4-0470	34	1,1274
4-0486	34	1,1274
4-0025	35	1,2573
4-0276	35	1,2573
4-0461	35	1,2573
4-0107	36	1,3872
4-0340	36	1,3872
4-0476	36	1,3872
4-0129	37	1,5172
4-0439	37	1,5172
4-0301	39	1,7770
4-0098	222	25,5496

**Ringversuch:** 4-2012  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Methode:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 104

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

Code-Nr.	Laborwert	Z(u)-Score
4-0003	0	0,0000
4-0008	0	0,0000
4-0014	0	0,0000
4-0017	0	0,0000
4-0020	0	0,0000
4-0023	0	0,0000
4-0026	0	0,0000
4-0030	0	0,0000
4-0034	0	0,0000
4-0038	0	0,0000
4-0045	0	0,0000
4-0049	0	0,0000
4-0052	0	0,0000
4-0055	0	0,0000
4-0062	0	0,0000
4-0067	0	0,0000
4-0071	0	0,0000
4-0074	0	0,0000
4-0078	0	0,0000
4-0083	0	0,0000
4-0086	0	0,0000
4-0090	0	0,0000
4-0093	0	0,0000
4-0099	0	0,0000
4-0102	0	0,0000
4-0105	0	0,0000
4-0108	0	0,0000
4-0112	0	0,0000
4-0115	0	0,0000
4-0120	0	0,0000
4-0123	0	0,0000
4-0126	0	0,0000
4-0130	0	0,0000
4-0134	0	0,0000
4-0137	0	0,0000
4-0141	0	0,0000
4-0149	0	0,0000
4-0152	0	0,0000
4-0158	0	0,0000
4-0161	0	0,0000
4-0164	0	0,0000
4-0167	0	0,0000
4-0174	0	0,0000
4-0179	0	0,0000
4-0183	0	0,0000
4-0186	0	0,0000
4-0191	0	0,0000
4-0194	0	0,0000
4-0200	0	0,0000
4-0203	0	0,0000
4-0206	0	0,0000
4-0209	0	0,0000
4-0212	0	0,0000
4-0226	0	0,0000
4-0229	0	0,0000
4-0232	0	0,0000
4-0235	0	0,0000
4-0238	0	0,0000
4-0243	0	0,0000
4-0246	0	0,0000
4-0253	0	0,0000
4-0258	0	0,0000
4-0265	0	0,0000
4-0271	0	0,0000
4-0278	0	0,0000
4-0284	0	0,0000
4-0287	0	0,0000

Code-Nr.	Laborwert	Z(u)-Score
4-0290	0	0,0000
4-0297	0	0,0000
4-0302	0	0,0000
4-0310	0	0,0000
4-0315	0	0,0000
4-0319	0	0,0000
4-0326	0	0,0000
4-0332	0	0,0000
4-0338	0	0,0000
4-0341	0	0,0000
4-0348	0	0,0000
4-0354	0	0,0000
4-0358	0	0,0000
4-0361	0	0,0000
4-0370	0	0,0000
4-0375	0	0,0000
4-0378	0	0,0000
4-0384	0	0,0000
4-0387	0	0,0000
4-0392	0	0,0000
4-0404	0	0,0000
4-0407	0	0,0000
4-0411	0	0,0000
4-0419	0	0,0000
4-0422	0	0,0000
4-0425	0	0,0000
4-0429	0	0,0000
4-0437	0	0,0000
4-0450	0	0,0000
4-0455	0	0,0000
4-0459	0	0,0000
4-0467	0	0,0000
4-0474	0	0,0000
4-0482	0	0,0000
4-0487	0	0,0000
4-0492	0	0,0000
4-0499	0	0,0000

**Ringversuch:** 4-2012  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Methode:** Colilert-18  
**Anzahl Werte:** 32

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

Code-Nr.	Laborwert	Z(u)-Score
4-0003	0	0,0000
4-0055	0	0,0000
4-0067	0	0,0000
4-0074	0	0,0000
4-0108	0	0,0000
4-0115	0	0,0000
4-0123	0	0,0000
4-0134	0	0,0000
4-0137	0	0,0000
4-0149	0	0,0000
4-0161	0	0,0000
4-0174	0	0,0000
4-0179	0	0,0000
4-0194	0	0,0000
4-0209	0	0,0000
4-0212	0	0,0000
4-0226	0	0,0000
4-0246	0	0,0000
4-0253	0	0,0000
4-0258	0	0,0000
4-0265	0	0,0000
4-0271	0	0,0000
4-0278	0	0,0000
4-0338	0	0,0000
4-0348	0	0,0000
4-0384	0	0,0000
4-0387	0	0,0000
4-0407	0	0,0000
4-0411	0	0,0000
4-0429	0	0,0000
4-0459	0	0,0000
4-0487	0	0,0000

Code-Nr.	Laborwert	Z(u)-Score
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**Ringversuch:** 4-2012  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Methode:** DIN EN ISO 9308-1  
**Anzahl Werte:** 72

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

Code-Nr.	Laborwert	Z(u)-Score
4-0008	0	0,0000
4-0014	0	0,0000
4-0017	0	0,0000
4-0020	0	0,0000
4-0023	0	0,0000
4-0026	0	0,0000
4-0030	0	0,0000
4-0034	0	0,0000
4-0038	0	0,0000
4-0045	0	0,0000
4-0049	0	0,0000
4-0052	0	0,0000
4-0062	0	0,0000
4-0071	0	0,0000
4-0078	0	0,0000
4-0083	0	0,0000
4-0086	0	0,0000
4-0090	0	0,0000
4-0093	0	0,0000
4-0099	0	0,0000
4-0102	0	0,0000
4-0105	0	0,0000
4-0112	0	0,0000
4-0120	0	0,0000
4-0126	0	0,0000
4-0130	0	0,0000
4-0141	0	0,0000
4-0152	0	0,0000
4-0158	0	0,0000
4-0164	0	0,0000
4-0167	0	0,0000
4-0183	0	0,0000
4-0186	0	0,0000
4-0191	0	0,0000
4-0200	0	0,0000
4-0203	0	0,0000
4-0206	0	0,0000
4-0229	0	0,0000
4-0232	0	0,0000
4-0235	0	0,0000
4-0238	0	0,0000
4-0243	0	0,0000
4-0284	0	0,0000
4-0287	0	0,0000
4-0290	0	0,0000
4-0297	0	0,0000
4-0302	0	0,0000
4-0310	0	0,0000
4-0315	0	0,0000
4-0319	0	0,0000
4-0326	0	0,0000
4-0332	0	0,0000
4-0341	0	0,0000
4-0354	0	0,0000
4-0358	0	0,0000
4-0361	0	0,0000
4-0370	0	0,0000
4-0375	0	0,0000
4-0378	0	0,0000
4-0392	0	0,0000
4-0404	0	0,0000
4-0419	0	0,0000
4-0422	0	0,0000
4-0425	0	0,0000
4-0437	0	0,0000
4-0450	0	0,0000
4-0455	0	0,0000

Code-Nr.	Laborwert	Z(u)-Score
4-0467	0	0,0000
4-0474	0	0,0000
4-0482	0	0,0000
4-0492	0	0,0000
4-0499	0	0,0000



**Ringversuch:** 4-2012  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Methode:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 115

**Sollwert (Mittelwert nach Hampel):** 12,65  
**Soll-Standardabweichung:** 4,766  
**rel. Soll-Standardabw. [%]:** 37,67  
**Ausschlussgrenze unten:** 4  
**Ausschlussgrenze oben:** 25

Code-Nr.	Laborwert	Z(u)-Score
4-0184	0	-3,1001
4-0465	0	-3,1001
4-0084	4	-2,1201
4-0328	4	-2,1201
4-0124	5	-1,8751
4-0165	5	-1,8751
4-0230	5	-1,8751
4-0275	5	-1,8751
4-0128	6	-1,6301
4-0288	6	-1,6301
4-0028	7	-1,3851
4-0047	7	-1,3851
4-0298	7	-1,3851
4-0423	7	-1,3851
4-0015	8	-1,1401
4-0024	8	-1,1401
4-0106	8	-1,1401
4-0175	8	-1,1401
4-0216	8	-1,1401
4-0438	8	-1,1401
4-0445	8	-1,1401
4-0142	9	-0,8951
4-0285	9	-0,8951
4-0322	9	-0,8951
4-0043	10	-0,6501
4-0072	10	-0,6501
4-0087	10	-0,6501
4-0118	10	-0,6501
4-0201	10	-0,6501
4-0207	10	-0,6501
4-0227	10	-0,6501
4-0250	10	-0,6501
4-0268	10	-0,6501
4-0359	10	-0,6501
4-0457	10	-0,6501
4-0053	11	-0,4051
4-0080	11	-0,4051
4-0091	11	-0,4051
4-0103	11	-0,4051
4-0131	11	-0,4051
4-0146	11	-0,4051
4-0155	11	-0,4051
4-0210	11	-0,4051
4-0240	11	-0,4051
4-0244	11	-0,4051
4-0279	11	-0,4051
4-0390	11	-0,4051
4-0401	11	-0,4051
4-0460	11	-0,4051
4-0254	12	-0,1601
4-0420	12	-0,1601
4-0426	12	-0,1601
4-0451	12	-0,1601
4-0056	13	0,0577
4-0076	13	0,0577
4-0121	13	0,0577
4-0138	13	0,0577
4-0172	13	0,0577
4-0180	13	0,0577
4-0282	13	0,0577
4-0291	13	0,0577
4-0317	13	0,0577
4-0339	13	0,0577
4-0371	13	0,0577
4-0379	13	0,0577
4-0442	13	0,0577
4-0010	14	0,2244

Code-Nr.	Laborwert	Z(u)-Score
4-0035	14	0,2244
4-0068	14	0,2244
4-0100	14	0,2244
4-0150	14	0,2244
4-0236	14	0,2244
4-0259	14	0,2244
4-0376	14	0,2244
4-0475	14	0,2244
4-0488	14	0,2244
4-0500	14	0,2244
4-0109	15	0,3910
4-0113	15	0,3910
4-0159	15	0,3910
4-0169	15	0,3910
4-0187	15	0,3910
4-0432	15	0,3910
4-0493	15	0,3910
4-0006	16	0,5577
4-0050	16	0,5577
4-0135	16	0,5577
4-0233	16	0,5577
4-0262	16	0,5577
4-0303	16	0,5577
4-0345	16	0,5577
4-0362	16	0,5577
4-0385	16	0,5577
4-0095	17	0,7243
4-0162	17	0,7243
4-0223	17	0,7243
4-0247	17	0,7243
4-0413	17	0,7243
4-0018	18	0,8910
4-0039	18	0,8910
4-0213	18	0,8910
4-0405	18	0,8910
4-0311	19	1,0577
4-0333	19	1,0577
4-0352	19	1,0577
4-0355	19	1,0577
4-0204	20	1,2243
4-0469	20	1,2243
4-0031	21	1,3910
4-0485	22	1,5576
4-0021	24	1,8909
4-0059	24	1,8909
4-0196	24	1,8909
4-0396	27	2,3909
4-0409	34	3,5575

**Ringversuch:** 4-2012  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Methode:** Colilert-18  
**Anzahl Werte:** 33

**Sollwert (Mittelwert nach Hampel):** 11,41  
**Soll-Standardabweichung:** 3,696  
**rel. Soll-Standardabw. [%]:** 32,38  
**Ausschlussgrenze unten:** 4  
**Ausschlussgrenze oben:** 21

Code-Nr.	Laborwert	Z(u)-Score
4-0165	5	-1,9710
4-0275	5	-1,9710
4-0298	7	-1,3564
4-0024	8	-1,0491
4-0106	8	-1,0491
4-0438	8	-1,0491
4-0445	8	-1,0491
4-0142	9	-0,7418
4-0322	9	-0,7418
4-0072	10	-0,4345
4-0118	10	-0,4345
4-0201	10	-0,4345
4-0053	11	-0,1272
4-0091	11	-0,1272
4-0103	11	-0,1272
4-0131	11	-0,1272
4-0210	11	-0,1272
4-0279	11	-0,1272
4-0401	11	-0,1272
4-0254	12	0,1300
4-0426	12	0,1300
4-0451	12	0,1300
4-0339	13	0,3518
4-0010	14	0,5735
4-0035	14	0,5735
4-0259	14	0,5735
4-0475	14	0,5735
4-0109	15	0,7953
4-0113	15	0,7953
4-0345	16	1,0171
4-0362	16	1,0171
4-0018	18	1,4606
4-0355	19	1,6824

Code-Nr.	Laborwert	Z(u)-Score
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**Ringversuch:** 4-2012  
**Parameter:** E. coli  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Methode:** DIN EN ISO 9308-1  
**Anzahl Werte:** 82

**Sollwert (Mittelwert nach Hampel):** 13,26  
**Soll-Standardabweichung:** 5,221  
**rel. Soll-Standardabw. [%]:** 39,39  
**Ausschlussgrenze unten:** 4  
**Ausschlussgrenze oben:** 27

Code-Nr.	Laborwert	Z(u)-Score
4-0184	0	-2,9997
4-0465	0	-2,9997
4-0084	4	-2,0946
4-0328	4	-2,0946
4-0124	5	-1,8683
4-0230	5	-1,8683
4-0128	6	-1,6420
4-0288	6	-1,6420
4-0028	7	-1,4157
4-0047	7	-1,4157
4-0423	7	-1,4157
4-0015	8	-1,1894
4-0175	8	-1,1894
4-0216	8	-1,1894
4-0285	9	-0,9631
4-0043	10	-0,7368
4-0087	10	-0,7368
4-0207	10	-0,7368
4-0227	10	-0,7368
4-0250	10	-0,7368
4-0268	10	-0,7368
4-0359	10	-0,7368
4-0457	10	-0,7368
4-0080	11	-0,5105
4-0146	11	-0,5105
4-0155	11	-0,5105
4-0240	11	-0,5105
4-0244	11	-0,5105
4-0390	11	-0,5105
4-0460	11	-0,5105
4-0420	12	-0,2842
4-0056	13	-0,0579
4-0076	13	-0,0579
4-0121	13	-0,0579
4-0138	13	-0,0579
4-0172	13	-0,0579
4-0180	13	-0,0579
4-0282	13	-0,0579
4-0291	13	-0,0579
4-0317	13	-0,0579
4-0371	13	-0,0579
4-0379	13	-0,0579
4-0442	13	-0,0579
4-0068	14	0,1122
4-0100	14	0,1122
4-0150	14	0,1122
4-0236	14	0,1122
4-0376	14	0,1122
4-0488	14	0,1122
4-0500	14	0,1122
4-0159	15	0,2630
4-0169	15	0,2630
4-0187	15	0,2630
4-0432	15	0,2630
4-0493	15	0,2630
4-0006	16	0,4139
4-0050	16	0,4139
4-0135	16	0,4139
4-0233	16	0,4139
4-0262	16	0,4139
4-0303	16	0,4139
4-0385	16	0,4139
4-0095	17	0,5647
4-0162	17	0,5647
4-0223	17	0,5647
4-0247	17	0,5647
4-0413	17	0,5647

Code-Nr.	Laborwert	Z(u)-Score
4-0039	18	0,7155
4-0213	18	0,7155
4-0405	18	0,7155
4-0311	19	0,8664
4-0333	19	0,8664
4-0352	19	0,8664
4-0204	20	1,0172
4-0469	20	1,0172
4-0031	21	1,1680
4-0485	22	1,3188
4-0021	24	1,6205
4-0059	24	1,6205
4-0196	24	1,6205
4-0396	27	2,0730
4-0409	34	3,1288

**Ringversuch:** 4-2012  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Methode:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 88

**Sollwert (Mittelwert nach Hampel):** 55,99  
**Soll-Standardabweichung:** 13,59  
**rel. Soll-Standardabw. [%]:** 24,27  
**Ausschlussgrenze unten:** 31  
**Ausschlussgrenze oben:** 88

Code-Nr.	Laborwert	Z(u)-Score
4-0205	0	-4,5483
4-0391	15	-3,3299
4-0397	26	-2,4364
4-0407	34	-1,7866
4-0086	35	-1,7054
4-0223	36	-1,6241
4-0008	37	-1,5429
4-0118	38	-1,4617
4-0121	38	-1,4617
4-0465	38	-1,4617
4-0238	39	-1,3804
4-0309	39	-1,3804
4-0419	40	-1,2992
4-0352	42	-1,1368
4-0038	44	-0,9743
4-0439	45	-0,8931
4-0486	45	-0,8931
4-0473	46	-0,8119
4-0125	47	-0,7306
4-0173	47	-0,7306
4-0247	47	-0,7306
4-0372	47	-0,7306
4-0436	47	-0,7306
4-0201	48	-0,6494
4-0450	48	-0,6494
4-0057	49	-0,5682
4-0228	49	-0,5682
4-0496	50	-0,4869
4-0049	51	-0,4057
4-0135	51	-0,4057
4-0281	51	-0,4057
4-0192	52	-0,3245
4-0262	52	-0,3245
4-0330	52	-0,3245
4-0021	53	-0,2433
4-0046	53	-0,2433
4-0078	53	-0,2433
4-0083	53	-0,2433
4-0367	53	-0,2433
4-0461	54	-0,1620
4-0343	55	-0,0808
4-0476	55	-0,0808
4-0165	56	0,0003
4-0243	56	0,0003
4-0422	56	0,0003
4-0425	57	0,0641
4-0014	58	0,1278
4-0169	58	0,1278
4-0187	58	0,1278
4-0252	58	0,1278
4-0025	59	0,1915
4-0033	59	0,1915
4-0060	59	0,1915
4-0161	59	0,1915
4-0099	60	0,2553
4-0113	60	0,2553
4-0337	60	0,2553
4-0146	61	0,3190
4-0196	61	0,3190
4-0259	61	0,3190
4-0029	63	0,4465
4-0288	63	0,4465
4-0150	64	0,5102
4-0216	64	0,5102
4-0232	64	0,5102
4-0095	65	0,5739
4-0302	65	0,5739

Code-Nr.	Laborwert	Z(u)-Score
4-0313	65	0,5739
4-0074	66	0,6377
4-0355	66	0,6377
4-0001	67	0,7014
4-0155	67	0,7014
4-0090	68	0,7651
4-0284	69	0,8289
4-0017	70	0,8926
4-0130	70	0,8926
4-0292	70	0,8926
4-0404	70	0,8926
4-0042	72	1,0201
4-0109	72	1,0201
4-0275	72	1,0201
4-0141	75	1,2113
4-0359	77	1,3387
4-0235	78	1,4025
4-0067	80	1,5299
4-0208	81	1,5937
4-0268	96	2,5497
4-0103	108	3,3145

**Ringversuch:** 4-2012  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Methode:** 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
4-0397	26	0,0000
4-0042	72	0,0000

Code-Nr.	Laborwert	Z(u)-Score
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**Ringversuch:** 4-2012  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Methode:** DIN EN ISO 7899-2  
**Anzahl Werte:** 86

**Sollwert (Mittelwert nach Hampel):** 56,05  
**Soll-Standardabweichung:** 13,17  
**rel. Soll-Standardabw. [%]:** 23,50  
**Ausschlussgrenze unten:** 32  
**Ausschlussgrenze oben:** 87

Code-Nr.	Laborwert	Z(u)-Score
4-0205	0	-4,6870
4-0391	15	-3,4327
4-0407	34	-1,8440
4-0086	35	-1,7604
4-0223	36	-1,6768
4-0008	37	-1,5931
4-0118	38	-1,5095
4-0121	38	-1,5095
4-0465	38	-1,5095
4-0238	39	-1,4259
4-0309	39	-1,4259
4-0419	40	-1,3423
4-0352	42	-1,1751
4-0038	44	-1,0078
4-0439	45	-0,9242
4-0486	45	-0,9242
4-0473	46	-0,8406
4-0125	47	-0,7570
4-0173	47	-0,7570
4-0247	47	-0,7570
4-0372	47	-0,7570
4-0436	47	-0,7570
4-0201	48	-0,6734
4-0450	48	-0,6734
4-0057	49	-0,5897
4-0228	49	-0,5897
4-0496	50	-0,5061
4-0049	51	-0,4225
4-0135	51	-0,4225
4-0281	51	-0,4225
4-0192	52	-0,3389
4-0262	52	-0,3389
4-0330	52	-0,3389
4-0021	53	-0,2553
4-0046	53	-0,2553
4-0078	53	-0,2553
4-0083	53	-0,2553
4-0367	53	-0,2553
4-0461	54	-0,1717
4-0343	55	-0,0880
4-0476	55	-0,0880
4-0165	56	-0,0044
4-0243	56	-0,0044
4-0422	56	-0,0044
4-0425	57	0,0626
4-0014	58	0,1287
4-0169	58	0,1287
4-0187	58	0,1287
4-0252	58	0,1287
4-0025	59	0,1949
4-0033	59	0,1949
4-0060	59	0,1949
4-0161	59	0,1949
4-0099	60	0,2610
4-0113	60	0,2610
4-0337	60	0,2610
4-0146	61	0,3271
4-0196	61	0,3271
4-0259	61	0,3271
4-0029	63	0,4594
4-0288	63	0,4594
4-0150	64	0,5255
4-0216	64	0,5255
4-0232	64	0,5255
4-0095	65	0,5916
4-0302	65	0,5916
4-0313	65	0,5916

Code-Nr.	Laborwert	Z(u)-Score
4-0074	66	0,6577
4-0355	66	0,6577
4-0001	67	0,7239
4-0155	67	0,7239
4-0090	68	0,7900
4-0284	69	0,8561
4-0017	70	0,9222
4-0130	70	0,9222
4-0292	70	0,9222
4-0404	70	0,9222
4-0109	72	1,0545
4-0275	72	1,0545
4-0141	75	1,2528
4-0359	77	1,3851
4-0235	78	1,4512
4-0067	80	1,5835
4-0208	81	1,6496
4-0268	96	2,6414
4-0103	108	3,4349

**Ringversuch:** 4-2012  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Methode:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 94

**Sollwert (Mittelwert nach Hampel):** 39,14  
**Soll-Standardabweichung:** 8,471  
**rel. Soll-Standardabw. [%]:** 21,64  
**Ausschlussgrenze unten:** 23  
**Ausschlussgrenze oben:** 59

Code-Nr.	Laborwert	Z(u)-Score
4-0030	15	-3,1190
4-0420	17	-2,8606
4-0022	20	-2,4730
4-0105	20	-2,4730
4-0310	24	-1,9561
4-0010	25	-1,8269
4-0209	26	-1,6977
4-0229	26	-1,6977
4-0087	27	-1,5685
4-0249	27	-1,5685
4-0469	29	-1,3101
4-0100	30	-1,1809
4-0428	30	-1,1809
4-0174	31	-1,0517
4-0039	32	-0,9224
4-0405	32	-0,9224
4-0003	33	-0,7932
4-0051	33	-0,7932
4-0143	33	-0,7932
4-0166	33	-0,7932
4-0357	33	-0,7932
4-0377	33	-0,7932
4-0413	33	-0,7932
4-0122	34	-0,6640
4-0260	34	-0,6640
4-0353	34	-0,6640
4-0499	34	-0,6640
4-0114	35	-0,5348
4-0170	35	-0,5348
4-0236	35	-0,5348
4-0270	35	-0,5348
4-0392	35	-0,5348
4-0076	36	-0,4056
4-0151	36	-0,4056
4-0206	36	-0,4056
4-0264	36	-0,4056
4-0091	37	-0,2764
4-0193	37	-0,2764
4-0233	37	-0,2764
4-0244	37	-0,2764
4-0110	38	-0,1472
4-0213	38	-0,1472
4-0437	38	-0,1472
4-0502	38	-0,1472
4-0080	39	-0,0180
4-0119	39	-0,0180
4-0198	39	-0,0180
4-0361	39	-0,0180
4-0163	40	0,0896
4-0184	40	0,0896
4-0254	40	0,0896
4-0492	40	0,0896
4-0019	41	0,1937
4-0034	41	0,1937
4-0097	41	0,1937
4-0276	41	0,1937
4-0290	41	0,1937
4-0409	41	0,1937
4-0445	41	0,1937
4-0487	41	0,1937
4-0225	42	0,2978
4-0332	42	0,2978
4-0385	42	0,2978
4-0423	42	0,2978
4-0474	42	0,2978
4-0482	42	0,2978
4-0282	43	0,4019

Code-Nr.	Laborwert	Z(u)-Score
4-0339	43	0,4019
4-0370	43	0,4019
4-0126	44	0,5060
4-0203	44	0,5060
4-0217	44	0,5060
4-0068	45	0,6101
4-0084	45	0,6101
4-0133	45	0,6101
4-0062	46	0,7142
4-0458	46	0,7142
4-0047	47	0,8183
4-0043	48	0,9224
4-0148	48	0,9224
4-0190	49	1,0265
4-0399	49	1,0265
4-0058	50	1,1306
4-0314	51	1,2347
4-0346	51	1,2347
4-0026	52	1,3388
4-0159	52	1,3388
4-0285	52	1,3388
4-0137	53	1,4428
4-0297	54	1,5469
4-0303	54	1,5469
4-0240	55	1,6510
4-0326	56	1,7551
4-0015	60	2,1715

**Ringversuch:** 4-2012  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Methode:** Chromocult  
**Anzahl Werte:** 6

**Sollwert (Mittelwert nach Hampel):** 46,67  
**Soll-Standardabweichung:** 9,986  
**rel. Soll-Standardabw. [%]:** 21,40  
**Ausschlussgrenze unten:** 28  
**Ausschlussgrenze oben:** 70

Code-Nr.	Laborwert	Z(u)-Score
4-0114	35	-1,2777
4-0445	41	-0,6206
4-0068	45	-0,1825
4-0285	52	0,4717
4-0137	53	0,5602
4-0303	54	0,6486

Code-Nr.	Laborwert	Z(u)-Score
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**Ringversuch:** 4-2012  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Methode:** DIN EN ISO 7899-2  
**Anzahl Werte:** 88

**Sollwert (Mittelwert nach Hampel):** 38,58  
**Soll-Standardabweichung:** 8,262  
**rel. Soll-Standardabw. [%]:** 21,41  
**Ausschlussgrenze unten:** 23  
**Ausschlussgrenze oben:** 58

Code-Nr.	Laborwert	Z(u)-Score
4-0030	15	-3,1221
4-0420	17	-2,8574
4-0022	20	-2,4602
4-0105	20	-2,4602
4-0310	24	-1,9306
4-0010	25	-1,7983
4-0209	26	-1,6659
4-0229	26	-1,6659
4-0087	27	-1,5335
4-0249	27	-1,5335
4-0469	29	-1,2687
4-0100	30	-1,1363
4-0428	30	-1,1363
4-0174	31	-1,0039
4-0039	32	-0,8715
4-0405	32	-0,8715
4-0003	33	-0,7392
4-0051	33	-0,7392
4-0143	33	-0,7392
4-0166	33	-0,7392
4-0357	33	-0,7392
4-0377	33	-0,7392
4-0413	33	-0,7392
4-0122	34	-0,6068
4-0260	34	-0,6068
4-0353	34	-0,6068
4-0499	34	-0,6068
4-0170	35	-0,4744
4-0236	35	-0,4744
4-0270	35	-0,4744
4-0392	35	-0,4744
4-0076	36	-0,3420
4-0151	36	-0,3420
4-0206	36	-0,3420
4-0264	36	-0,3420
4-0091	37	-0,2096
4-0193	37	-0,2096
4-0233	37	-0,2096
4-0244	37	-0,2096
4-0110	38	-0,0772
4-0213	38	-0,0772
4-0437	38	-0,0772
4-0502	38	-0,0772
4-0080	39	0,0445
4-0119	39	0,0445
4-0198	39	0,0445
4-0361	39	0,0445
4-0163	40	0,1514
4-0184	40	0,1514
4-0254	40	0,1514
4-0492	40	0,1514
4-0019	41	0,2583
4-0034	41	0,2583
4-0097	41	0,2583
4-0276	41	0,2583
4-0290	41	0,2583
4-0409	41	0,2583
4-0487	41	0,2583
4-0225	42	0,3652
4-0332	42	0,3652
4-0385	42	0,3652
4-0423	42	0,3652
4-0474	42	0,3652
4-0482	42	0,3652
4-0282	43	0,4721
4-0339	43	0,4721
4-0370	43	0,4721

Code-Nr.	Laborwert	Z(u)-Score
4-0126	44	0,5790
4-0203	44	0,5790
4-0217	44	0,5790
4-0084	45	0,6860
4-0133	45	0,6860
4-0062	46	0,7929
4-0458	46	0,7929
4-0047	47	0,8998
4-0043	48	1,0067
4-0148	48	1,0067
4-0190	49	1,1136
4-0399	49	1,1136
4-0058	50	1,2205
4-0314	51	1,3274
4-0346	51	1,3274
4-0026	52	1,4343
4-0159	52	1,4343
4-0297	54	1,6481
4-0240	55	1,7550
4-0326	56	1,8619
4-0015	60	2,2895

**Ringversuch:** 4-2012  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Methode:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 95

**Sollwert (Mittelwert nach Hampel):** 22,74  
**Soll-Standardabweichung:** 6,171  
**rel. Soll-Standardabw. [%]:** 27,14  
**Ausschlussgrenze unten:** 11  
**Ausschlussgrenze oben:** 38

Code-Nr.	Laborwert	Z(u)-Score
4-0152	10	-2,2999
4-0283	10	-2,2999
4-0215	11	-2,1194
4-0333	12	-1,9388
4-0396	12	-1,9388
4-0107	13	-1,7582
4-0128	13	-1,7582
4-0317	13	-1,7582
4-0088	14	-1,5777
4-0485	14	-1,5777
4-0204	15	-1,3971
4-0016	16	-1,2165
4-0390	16	-1,2165
4-0438	16	-1,2165
4-0031	17	-1,0359
4-0210	17	-1,0359
4-0432	17	-1,0359
4-0056	18	-0,8554
4-0180	18	-0,8554
4-0059	19	-0,6748
4-0066	19	-0,6748
4-0081	19	-0,6748
4-0167	19	-0,6748
4-0230	19	-0,6748
4-0265	19	-0,6748
4-0311	19	-0,6748
4-0421	19	-0,6748
4-0045	20	-0,4942
4-0191	20	-0,4942
4-0257	20	-0,4942
4-0261	20	-0,4942
4-0306	20	-0,4942
4-0348	20	-0,4942
4-0424	20	-0,4942
4-0028	21	-0,3137
4-0098	21	-0,3137
4-0138	21	-0,3137
4-0371	21	-0,3137
4-0112	22	-0,1331
4-0124	22	-0,1331
4-0354	22	-0,1331
4-0362	22	-0,1331
4-0011	23	0,0362
4-0023	23	0,0362
4-0077	23	0,0362
4-0102	23	0,0362
4-0115	23	0,0362
4-0120	23	0,0362
4-0280	23	0,0362
4-0301	23	0,0362
4-0446	23	0,0362
4-0470	23	0,0362
4-0020	24	0,1738
4-0149	24	0,1738
4-0186	24	0,1738
4-0194	24	0,1738
4-0207	24	0,1738
4-0218	24	0,1738
4-0226	24	0,1738
4-0237	24	0,1738
4-0250	24	0,1738
4-0274	24	0,1738
4-0358	24	0,1738
4-0460	24	0,1738
4-0500	24	0,1738
4-0007	25	0,3114
4-0340	25	0,3114

Code-Nr.	Laborwert	Z(u)-Score
4-0410	25	0,3114
4-0418	25	0,3114
4-0493	25	0,3114
4-0234	26	0,4490
4-0475	26	0,4490
4-0242	27	0,5867
4-0246	27	0,5867
4-0048	28	0,7243
4-0160	28	0,7243
4-0402	28	0,7243
4-0406	28	0,7243
4-0463	28	0,7243
4-0164	29	0,8619
4-0287	29	0,8619
4-0378	29	0,8619
4-0291	30	0,9995
4-0052	31	1,1372
4-0085	31	1,1372
4-0035	32	1,2748
4-0041	32	1,2748
4-0071	32	1,2748
4-0144	32	1,2748
4-0134	33	1,4124
4-0443	34	1,5500
4-0093	35	1,6877
4-0200	36	1,8253
4-0488	39	2,2382
4-0171	43	2,7887

**Ringversuch:** 4-2012  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Methode:** Chromocult  
**Anzahl Werte:** 4

**Sollwert (Mittelwert nach Hampel):** 22,5  
**Soll-Standardabweichung:** 15,53  
**rel. Soll-Standardabw. [%]:** 69,04  
**Ausschlussgrenze unten:** 3  
**Ausschlussgrenze oben:** 65

Code-Nr.	Laborwert	Z(u)-Score
4-0396	12	-1,1131
4-0362	22	-0,0530
4-0120	23	0,0240
4-0134	33	0,5031

Code-Nr.	Laborwert	Z(u)-Score
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**Ringversuch:** 4-2012  
**Parameter:** Intestinale Enterokokken  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Methode:** DIN EN ISO 7899-2  
**Anzahl Werte:** 91

**Sollwert (Mittelwert nach Hampel):** 22,74  
**Soll-Standardabweichung:** 6,165  
**rel. Soll-Standardabw. [%]:** 27,11  
**Ausschlussgrenze unten:** 11  
**Ausschlussgrenze oben:** 38

Code-Nr.	Laborwert	Z(u)-Score
4-0152	10	-2,3032
4-0283	10	-2,3032
4-0215	11	-2,1225
4-0333	12	-1,9417
4-0107	13	-1,7610
4-0128	13	-1,7610
4-0317	13	-1,7610
4-0088	14	-1,5802
4-0485	14	-1,5802
4-0204	15	-1,3995
4-0016	16	-1,2188
4-0390	16	-1,2188
4-0438	16	-1,2188
4-0031	17	-1,0380
4-0210	17	-1,0380
4-0432	17	-1,0380
4-0056	18	-0,8573
4-0180	18	-0,8573
4-0059	19	-0,6765
4-0066	19	-0,6765
4-0081	19	-0,6765
4-0167	19	-0,6765
4-0230	19	-0,6765
4-0265	19	-0,6765
4-0311	19	-0,6765
4-0421	19	-0,6765
4-0045	20	-0,4958
4-0191	20	-0,4958
4-0257	20	-0,4958
4-0261	20	-0,4958
4-0306	20	-0,4958
4-0348	20	-0,4958
4-0424	20	-0,4958
4-0028	21	-0,3150
4-0098	21	-0,3150
4-0138	21	-0,3150
4-0371	21	-0,3150
4-0112	22	-0,1343
4-0124	22	-0,1343
4-0354	22	-0,1343
4-0011	23	0,0354
4-0023	23	0,0354
4-0077	23	0,0354
4-0102	23	0,0354
4-0115	23	0,0354
4-0280	23	0,0354
4-0301	23	0,0354
4-0446	23	0,0354
4-0470	23	0,0354
4-0020	24	0,1732
4-0149	24	0,1732
4-0186	24	0,1732
4-0194	24	0,1732
4-0207	24	0,1732
4-0218	24	0,1732
4-0226	24	0,1732
4-0237	24	0,1732
4-0250	24	0,1732
4-0274	24	0,1732
4-0358	24	0,1732
4-0460	24	0,1732
4-0500	24	0,1732
4-0007	25	0,3110
4-0340	25	0,3110
4-0410	25	0,3110
4-0418	25	0,3110
4-0493	25	0,3110

Code-Nr.	Laborwert	Z(u)-Score
4-0234	26	0,4488
4-0475	26	0,4488
4-0242	27	0,5866
4-0246	27	0,5866
4-0048	28	0,7245
4-0160	28	0,7245
4-0402	28	0,7245
4-0406	28	0,7245
4-0463	28	0,7245
4-0164	29	0,8623
4-0287	29	0,8623
4-0378	29	0,8623
4-0291	30	1,0001
4-0052	31	1,1379
4-0085	31	1,1379
4-0035	32	1,2757
4-0041	32	1,2757
4-0071	32	1,2757
4-0144	32	1,2757
4-0443	34	1,5513
4-0093	35	1,6891
4-0200	36	1,8269
4-0488	39	2,2404
4-0171	43	2,7916

**Ringversuch:** 4-2012  
**Parameter:** Koloniezahl bei 22°C  
**Einheit:** n / ml  
**Gruppe:** A  
**Methode:** DIN EN ISO 6222  
**Anzahl Werte:** 81

**Sollwert (Mittelwert nach Hampel):** 25,52  
**Soll-Standardabweichung:** 4,545  
**rel. Soll-Standardabw. [%]:** 17,81  
**Ausschlussgrenze unten:** 17  
**Ausschlussgrenze oben:** 36

Code-Nr.	Laborwert	Z(u)-Score
4-0491	9	-3,9257
4-0387	17	-2,0247
4-0175	19	-1,5494
4-0410	19	-1,5494
4-0205	20	-1,3118
4-0310	20	-1,3118
4-0326	20	-1,3118
4-0432	20	-1,3118
4-0448	20	-1,3118
4-0103	21	-1,0742
4-0287	21	-1,0742
4-0423	21	-1,0742
4-0485	21	-1,0742
4-0028	22	-0,8366
4-0056	22	-0,8366
4-0159	22	-0,8366
4-0282	22	-0,8366
4-0291	22	-0,8366
4-0317	22	-0,8366
4-0396	22	-0,8366
4-0421	22	-0,8366
4-0456	22	-0,8366
4-0088	23	-0,5989
4-0114	23	-0,5989
4-0216	23	-0,5989
4-0234	23	-0,5989
4-0366	23	-0,5989
4-0460	23	-0,5989
4-0032	24	-0,3613
4-0071	24	-0,3613
4-0244	24	-0,3613
4-0276	24	-0,3613
4-0379	24	-0,3613
4-0419	24	-0,3613
4-0442	24	-0,3613
4-0236	25	-0,1237
4-0339	25	-0,1237
4-0377	25	-0,1237
4-0385	25	-0,1237
4-0446	25	-0,1237
4-0470	25	-0,1237
4-0006	26	0,0954
4-0026	26	0,0954
4-0093	26	0,0954
4-0112	26	0,0954
4-0169	26	0,0954
4-0223	26	0,0954
4-0352	26	0,0954
4-0493	26	0,0954
4-0048	27	0,2943
4-0144	27	0,2943
4-0166	27	0,2943
4-0226	27	0,2943
4-0293	27	0,2943
4-0436	27	0,2943
4-0015	28	0,4932
4-0024	28	0,4932
4-0161	28	0,4932
4-0370	28	0,4932
4-0499	28	0,4932
4-0119	29	0,6921
4-0164	29	0,6921
4-0213	29	0,6921
4-0271	29	0,6921
4-0328	29	0,6921
4-0097	30	0,8910
4-0196	30	0,8910

Code-Nr.	Laborwert	Z(u)-Score
4-0242	30	0,8910
4-0346	30	0,8910
4-0001	31	1,0899
4-0020	31	1,0899
4-0315	31	1,0899
4-0045	32	1,2888
4-0079	32	1,2888
4-0269	32	1,2888
4-0502	32	1,2888
4-0131	33	1,4877
4-0333	33	1,4877
4-0034	35	1,8856
4-0350	37	2,2834
4-0392	53	5,4660

**Ringversuch:** 4-2012  
**Parameter:** Koloniezahl bei 22°C  
**Einheit:** n / ml  
**Gruppe:** A  
**Methode:** TrinkwV 2001 (2011) Anl. 5 I d) b  
**Anzahl Werte:** 126

**Sollwert (Mittelwert nach Hampel):** 28,42  
**Soll-Standardabweichung:** 4,183  
**rel. Soll-Standardabw. [%]:** 14,72  
**Ausschlussgrenze unten:** 20  
**Ausschlussgrenze oben:** 38

Code-Nr.	Laborwert	Z(u)-Score
4-0310	16	-3,1703
4-0322	19	-2,4046
4-0038	20	-2,1494
4-0326	20	-2,1494
4-0008	21	-1,8942
4-0068	22	-1,6390
4-0171	22	-1,6390
4-0385	22	-1,6390
4-0451	22	-1,6390
4-0124	23	-1,3838
4-0150	23	-1,3838
4-0193	23	-1,3838
4-0252	23	-1,3838
4-0312	23	-1,3838
4-0394	23	-1,3838
4-0267	24	-1,1285
4-0344	24	-1,1285
4-0001	25	-0,8733
4-0066	25	-0,8733
4-0103	25	-0,8733
4-0180	25	-0,8733
4-0218	25	-0,8733
4-0250	25	-0,8733
4-0331	25	-0,8733
4-0416	25	-0,8733
4-0460	25	-0,8733
4-0474	25	-0,8733
4-0030	26	-0,6181
4-0063	26	-0,6181
4-0099	26	-0,6181
4-0114	26	-0,6181
4-0173	26	-0,6181
4-0257	26	-0,6181
4-0297	26	-0,6181
4-0303	26	-0,6181
4-0335	26	-0,6181
4-0405	26	-0,6181
4-0448	26	-0,6181
4-0467	26	-0,6181
4-0017	27	-0,3629
4-0043	27	-0,3629
4-0129	27	-0,3629
4-0148	27	-0,3629
4-0211	27	-0,3629
4-0232	27	-0,3629
4-0238	27	-0,3629
4-0284	27	-0,3629
4-0022	28	-0,1077
4-0144	28	-0,1077
4-0156	28	-0,1077
4-0216	28	-0,1077
4-0262	28	-0,1077
4-0315	28	-0,1077
4-0341	28	-0,1077
4-0403	28	-0,1077
4-0412	28	-0,1077
4-0470	28	-0,1077
4-0045	29	0,1274
4-0058	29	0,1274
4-0084	29	0,1274
4-0086	29	0,1274
4-0097	29	0,1274
4-0121	29	0,1274
4-0137	29	0,1274
4-0140	29	0,1274
4-0164	29	0,1274
4-0187	29	0,1274

Code-Nr.	Laborwert	Z(u)-Score
4-0203	29	0,1274
4-0260	29	0,1274
4-0276	29	0,1274
4-0280	29	0,1274
4-0289	29	0,1274
4-0348	29	0,1274
4-0372	29	0,1274
4-0390	29	0,1274
4-0425	29	0,1274
4-0438	29	0,1274
4-0011	30	0,3477
4-0054	30	0,3477
4-0108	30	0,3477
4-0126	30	0,3477
4-0142	30	0,3477
4-0191	30	0,3477
4-0200	30	0,3477
4-0205	30	0,3477
4-0337	30	0,3477
4-0359	30	0,3477
4-0401	30	0,3477
4-0410	30	0,3477
4-0015	31	0,5680
4-0074	31	0,5680
4-0077	31	0,5680
4-0135	31	0,5680
4-0161	31	0,5680
4-0339	31	0,5680
4-0354	31	0,5680
4-0407	31	0,5680
4-0499	31	0,5680
4-0071	32	0,7884
4-0079	32	0,7884
4-0091	32	0,7884
4-0228	32	0,7884
4-0247	32	0,7884
4-0301	32	0,7884
4-0446	32	0,7884
4-0476	32	0,7884
4-0041	33	1,0087
4-0060	33	1,0087
4-0093	33	1,0087
4-0185	33	1,0087
4-0209	33	1,0087
4-0487	33	1,0087
4-0020	34	1,2290
4-0106	34	1,2290
4-0207	34	1,2290
4-0081	35	1,4493
4-0387	35	1,4493
4-0101	36	1,6697
4-0051	37	1,8900
4-0230	37	1,8900
4-0421	37	1,8900
4-0255	38	2,1103
4-0356	39	2,3307
4-0399	56	6,0762
4-0361	80	11,3641
4-0444	215	41,1086

**Ringversuch:** 4-2012  
**Parameter:** Koloniezahl bei 22°C  
**Einheit:** n / ml  
**Gruppe:** B  
**Methode:** DIN EN ISO 6222  
**Anzahl Werte:** 83

**Sollwert (Mittelwert nach Hampel):** 63,05  
**Soll-Standardabweichung:** 8,221  
**rel. Soll-Standardabw. [%]:** 13,04  
**Ausschlussgrenze unten:** 47  
**Ausschlussgrenze oben:** 81

Code-Nr.	Laborwert	Z(u)-Score
4-0391	18	-5,8117
4-0363	33	-3,8767
4-0087	37	-3,3607
4-0105	45	-2,3288
4-0433	45	-2,3288
4-0397	47	-2,0708
4-0184	52	-1,4258
4-0281	52	-1,4258
4-0261	53	-1,2968
4-0357	54	-1,1678
4-0118	55	-1,0388
4-0141	55	-1,0388
4-0329	55	-1,0388
4-0347	55	-1,0388
4-0378	55	-1,0388
4-0441	55	-1,0388
4-0100	56	-0,9098
4-0302	56	-0,9098
4-0231	57	-0,7808
4-0279	57	-0,7808
4-0422	57	-0,7808
4-0482	57	-0,7808
4-0019	58	-0,6518
4-0146	58	-0,6518
4-0338	58	-0,6518
4-0496	59	-0,5228
4-0083	60	-0,3939
4-0125	60	-0,3939
4-0225	60	-0,3939
4-0424	60	-0,3939
4-0235	61	-0,2649
4-0251	61	-0,2649
4-0402	61	-0,2649
4-0469	61	-0,2649
4-0122	62	-0,1359
4-0220	62	-0,1359
4-0316	62	-0,1359
4-0107	63	-0,0069
4-0237	63	-0,0069
4-0420	63	-0,0069
4-0447	63	-0,0069
4-0473	63	-0,0069
4-0049	64	0,1072
4-0325	64	0,1072
4-0458	64	0,1072
4-0073	65	0,2205
4-0080	65	0,2205
4-0167	65	0,2205
4-0275	65	0,2205
4-0342	65	0,2205
4-0418	65	0,2205
4-0078	66	0,3337
4-0268	66	0,3337
4-0318	66	0,3337
4-0428	66	0,3337
4-0160	67	0,4469
4-0179	67	0,4469
4-0208	67	0,4469
4-0283	67	0,4469
4-0290	67	0,4469
4-0298	67	0,4469
4-0016	68	0,5602
4-0212	68	0,5602
4-0311	68	0,5602
4-0395	68	0,5602
4-0465	68	0,5602
4-0133	69	0,6734

Code-Nr.	Laborwert	Z(u)-Score
4-0215	69	0,6734
4-0439	69	0,6734
4-0461	70	0,7867
4-0243	71	0,8999
4-0371	71	0,8999
4-0454	71	0,8999
4-0492	72	1,0132
4-0138	73	1,1264
4-0240	74	1,2396
4-0488	74	1,2396
4-0437	76	1,4661
4-0143	78	1,6926
4-0351	78	1,6926
4-0062	80	1,9191
4-0025	84	2,3721
4-0233	120	6,4488

**Ringversuch:** 4-2012  
**Parameter:** Koloniezahl bei 22°C  
**Einheit:** n / ml  
**Gruppe:** B  
**Methode:** TrinkwV 2001 (2011) Anl. 5 I d) b  
**Anzahl Werte:** 121

**Sollwert (Mittelwert nach Hampel):** 71,1  
**Soll-Standardabweichung:** 6,79  
**rel. Soll-Standardabw. [%]:** 9,55  
**Ausschlussgrenze unten:** 58  
**Ausschlussgrenze oben:** 86

Code-Nr.	Laborwert	Z(u)-Score
4-0007	48	-3,5565
4-0336	52	-2,9407
4-0090	54	-2,6328
4-0206	57	-2,1710
4-0279	59	-1,8631
4-0445	59	-1,8631
4-0229	60	-1,7092
4-0441	60	-1,7092
4-0265	61	-1,5552
4-0059	62	-1,4013
4-0355	62	-1,4013
4-0413	62	-1,4013
4-0044	63	-1,2474
4-0021	64	-1,0934
4-0076	64	-1,0934
4-0198	64	-1,0934
4-0373	64	-1,0934
4-0039	65	-0,9395
4-0141	65	-0,9395
4-0174	65	-0,9395
4-0217	65	-0,9395
4-0340	65	-0,9395
4-0383	65	-0,9395
4-0049	66	-0,7856
4-0120	66	-0,7856
4-0130	66	-0,7856
4-0155	66	-0,7856
4-0158	66	-0,7856
4-0160	66	-0,7856
4-0256	66	-0,7856
4-0349	66	-0,7856
4-0503	66	-0,7856
4-0057	67	-0,6316
4-0095	67	-0,6316
4-0190	67	-0,6316
4-0306	67	-0,6316
4-0055	68	-0,4777
4-0098	68	-0,4777
4-0151	68	-0,4777
4-0192	68	-0,4777
4-0316	68	-0,4777
4-0334	68	-0,4777
4-0170	69	-0,3237
4-0345	69	-0,3237
4-0357	69	-0,3237
4-0411	69	-0,3237
4-0428	69	-0,3237
4-0014	70	-0,1698
4-0047	70	-0,1698
4-0052	70	-0,1698
4-0109	70	-0,1698
4-0113	70	-0,1698
4-0172	70	-0,1698
4-0220	70	-0,1698
4-0338	70	-0,1698
4-0353	70	-0,1698
4-0386	70	-0,1698
4-0447	70	-0,1698
4-0070	71	-0,0159
4-0118	71	-0,0159
4-0249	71	-0,0159
4-0288	71	-0,0159
4-0404	71	-0,0159
4-0450	71	-0,0159
4-0458	71	-0,0159
4-0033	72	0,1255
4-0064	72	0,1255

Code-Nr.	Laborwert	Z(u)-Score
4-0078	72	0,1255
4-0085	72	0,1255
4-0246	72	0,1255
4-0285	72	0,1255
4-0128	73	0,2654
4-0395	73	0,2654
4-0031	74	0,4054
4-0035	74	0,4054
4-0133	74	0,4054
4-0208	74	0,4054
4-0268	74	0,4054
4-0275	74	0,4054
4-0360	74	0,4054
4-0389	74	0,4054
4-0102	75	0,5453
4-0261	75	0,5453
4-0292	75	0,5453
4-0313	75	0,5453
4-0332	75	0,5453
4-0067	76	0,6852
4-0138	76	0,6852
4-0201	76	0,6852
4-0259	76	0,6852
4-0295	76	0,6852
4-0327	76	0,6852
4-0369	76	0,6852
4-0393	76	0,6852
4-0400	76	0,6852
4-0488	76	0,6852
4-0122	77	0,8252
4-0163	77	0,8252
4-0500	77	0,8252
4-0010	78	0,9651
4-0023	78	0,9651
4-0136	78	0,9651
4-0194	78	0,9651
4-0254	78	0,9651
4-0461	78	0,9651
4-0080	79	1,1050
4-0092	79	1,1050
4-0149	79	1,1050
4-0270	79	1,1050
4-0443	79	1,1050
4-0475	79	1,1050
4-0143	80	1,2449
4-0186	80	1,2449
4-0227	80	1,2449
4-0406	80	1,2449
4-0409	80	1,2449
4-0003	82	1,5248
4-0029	82	1,5248
4-0237	84	1,8046
4-0210	92	2,9241
4-0325	100	4,0435



**Ringversuch:** 4-2012  
**Parameter:** Koloniezahl bei 36°C  
**Einheit:** n / ml  
**Gruppe:** A  
**Methode:** DIN EN ISO 6222  
**Anzahl Werte:** 81

**Sollwert (Mittelwert nach Hampel):** 26,3  
**Soll-Standardabweichung:** 4,437  
**rel. Soll-Standardabw. [%]:** 16,87  
**Ausschlussgrenze unten:** 18  
**Ausschlussgrenze oben:** 37

Code-Nr.	Laborwert	Z(u)-Score
4-0491	16	-2,4990
4-0161	17	-2,2564
4-0317	18	-2,0139
4-0456	18	-2,0139
4-0502	18	-2,0139
4-0370	19	-1,7713
4-0326	20	-1,5287
4-0282	21	-1,2862
4-0493	21	-1,2862
4-0088	22	-1,0436
4-0093	22	-1,0436
4-0236	22	-1,0436
4-0377	22	-1,0436
4-0396	22	-1,0436
4-0034	23	-0,8011
4-0056	23	-0,8011
4-0112	23	-0,8011
4-0119	23	-0,8011
4-0234	23	-0,8011
4-0432	23	-0,8011
4-0470	23	-0,8011
4-0015	24	-0,5585
4-0032	24	-0,5585
4-0159	24	-0,5585
4-0169	24	-0,5585
4-0103	25	-0,3159
4-0244	25	-0,3159
4-0287	25	-0,3159
4-0379	25	-0,3159
4-0385	25	-0,3159
4-0387	25	-0,3159
4-0421	25	-0,3159
4-0028	26	-0,0734
4-0048	26	-0,0734
4-0213	26	-0,0734
4-0216	26	-0,0734
4-0271	26	-0,0734
4-0346	26	-0,0734
4-0442	26	-0,0734
4-0460	26	-0,0734
4-0026	27	0,1430
4-0097	27	0,1430
4-0114	27	0,1430
4-0223	27	0,1430
4-0242	27	0,1430
4-0276	27	0,1430
4-0339	27	0,1430
4-0410	27	0,1430
4-0485	27	0,1430
4-0006	28	0,3479
4-0071	28	0,3479
4-0131	28	0,3479
4-0144	28	0,3479
4-0226	28	0,3479
4-0328	28	0,3479
4-0333	28	0,3479
4-0366	28	0,3479
4-0423	28	0,3479
4-0436	28	0,3479
4-0446	28	0,3479
4-0175	29	0,5529
4-0293	29	0,5529
4-0315	29	0,5529
4-0020	30	0,7578
4-0045	30	0,7578
4-0205	30	0,7578
4-0352	30	0,7578

Code-Nr.	Laborwert	Z(u)-Score
4-0419	30	0,7578
4-0499	30	0,7578
4-0024	31	0,9628
4-0196	32	1,1677
4-0291	32	1,1677
4-0448	32	1,1677
4-0164	33	1,3727
4-0269	33	1,3727
4-0079	34	1,5776
4-0310	35	1,7826
4-0001	36	1,9876
4-0350	36	1,9876
4-0166	41	3,0123
4-0392	67	8,3412

**Ringversuch:** 4-2012  
**Parameter:** Koloniezahl bei 36°C  
**Einheit:** n / ml  
**Gruppe:** A  
**Methode:** TrinkwV 2001 (2011) Anl. 5 I d) b  
**Anzahl Werte:** 126

**Sollwert (Mittelwert nach Hampel):** 28,66  
**Soll-Standardabweichung:** 3,95  
**rel. Soll-Standardabw. [%]:** 13,78  
**Ausschlussgrenze unten:** 21  
**Ausschlussgrenze oben:** 38

Code-Nr.	Laborwert	Z(u)-Score
4-0401	15	-3,6787
4-0077	17	-3,1402
4-0467	17	-3,1402
4-0238	18	-2,8709
4-0326	20	-2,3323
4-0068	23	-1,5245
4-0171	23	-1,5245
4-0180	23	-1,5245
4-0084	24	-1,2552
4-0099	24	-1,2552
4-0257	24	-1,2552
4-0267	24	-1,2552
4-0385	24	-1,2552
4-0412	24	-1,2552
4-0448	24	-1,2552
4-0451	24	-1,2552
4-0460	24	-1,2552
4-0001	25	-0,9859
4-0008	25	-0,9859
4-0086	25	-0,9859
4-0121	25	-0,9859
4-0150	25	-0,9859
4-0394	25	-0,9859
4-0015	26	-0,7167
4-0017	26	-0,7167
4-0030	26	-0,7167
4-0074	26	-0,7167
4-0103	26	-0,7167
4-0148	26	-0,7167
4-0173	26	-0,7167
4-0211	26	-0,7167
4-0247	26	-0,7167
4-0276	26	-0,7167
4-0280	26	-0,7167
4-0022	27	-0,4474
4-0093	27	-0,4474
4-0191	27	-0,4474
4-0203	27	-0,4474
4-0228	27	-0,4474
4-0232	27	-0,4474
4-0250	27	-0,4474
4-0284	27	-0,4474
4-0297	27	-0,4474
4-0359	27	-0,4474
4-0372	27	-0,4474
4-0474	27	-0,4474
4-0041	28	-0,1781
4-0043	28	-0,1781
4-0054	28	-0,1781
4-0124	28	-0,1781
4-0137	28	-0,1781
4-0161	28	-0,1781
4-0164	28	-0,1781
4-0193	28	-0,1781
4-0262	28	-0,1781
4-0315	28	-0,1781
4-0410	28	-0,1781
4-0438	28	-0,1781
4-0051	29	0,0794
4-0071	29	0,0794
4-0106	29	0,0794
4-0135	29	0,0794
4-0142	29	0,0794
4-0144	29	0,0794
4-0200	29	0,0794
4-0205	29	0,0794
4-0209	29	0,0794

Code-Nr.	Laborwert	Z(u)-Score
4-0216	29	0,0794
4-0218	29	0,0794
4-0337	29	0,0794
4-0390	29	0,0794
4-0403	29	0,0794
4-0407	29	0,0794
4-0425	29	0,0794
4-0038	30	0,3141
4-0058	30	0,3141
4-0060	30	0,3141
4-0066	30	0,3141
4-0079	30	0,3141
4-0108	30	0,3141
4-0114	30	0,3141
4-0126	30	0,3141
4-0185	30	0,3141
4-0252	30	0,3141
4-0303	30	0,3141
4-0322	30	0,3141
4-0335	30	0,3141
4-0341	30	0,3141
4-0344	30	0,3141
4-0421	30	0,3141
4-0446	30	0,3141
4-0063	31	0,5487
4-0081	31	0,5487
4-0156	31	0,5487
4-0207	31	0,5487
4-0230	31	0,5487
4-0289	31	0,5487
4-0354	31	0,5487
4-0487	31	0,5487
4-0187	32	0,7834
4-0301	32	0,7834
4-0310	32	0,7834
4-0312	32	0,7834
4-0011	33	1,0180
4-0020	33	1,0180
4-0097	33	1,0180
4-0331	33	1,0180
4-0348	33	1,0180
4-0405	33	1,0180
4-0499	33	1,0180
4-0091	34	1,2527
4-0260	34	1,2527
4-0356	34	1,2527
4-0129	35	1,4873
4-0416	35	1,4873
4-0470	35	1,4873
4-0476	35	1,4873
4-0045	36	1,7220
4-0339	36	1,7220
4-0387	36	1,7220
4-0101	37	1,9566
4-0140	38	2,1913
4-0255	40	2,6606
4-0399	57	6,6496
4-0361	85	13,2198
4-0444	185	36,6848

**Ringversuch:** 4-2012  
**Parameter:** Koloniezahl bei 36°C  
**Einheit:** n / ml  
**Gruppe:** B  
**Methode:** DIN EN ISO 6222  
**Anzahl Werte:** 84

**Sollwert (Mittelwert nach Hampel):** 63,99  
**Soll-Standardabweichung:** 7,689  
**rel. Soll-Standardabw. [%]:** 12,02  
**Ausschlussgrenze unten:** 49  
**Ausschlussgrenze oben:** 81

Code-Nr.	Laborwert	Z(u)-Score
4-0391	25	-5,3550
4-0363	27	-5,0802
4-0397	45	-2,6078
4-0433	46	-2,4704
4-0087	48	-2,1957
4-0105	48	-2,1957
4-0420	48	-2,1957
4-0083	50	-1,9210
4-0146	51	-1,7836
4-0251	53	-1,5089
4-0281	54	-1,3716
4-0080	55	-1,2342
4-0100	55	-1,2342
4-0184	55	-1,2342
4-0125	56	-1,0968
4-0492	56	-1,0968
4-0496	56	-1,0968
4-0073	57	-0,9595
4-0311	57	-0,9595
4-0225	58	-0,8221
4-0329	58	-0,8221
4-0482	59	-0,6848
4-0133	60	-0,5474
4-0233	60	-0,5474
4-0027	61	-0,4101
4-0179	61	-0,4101
4-0261	61	-0,4101
4-0279	61	-0,4101
4-0316	61	-0,4101
4-0138	62	-0,2727
4-0378	62	-0,2727
4-0441	62	-0,2727
4-0078	63	-0,1353
4-0268	63	-0,1353
4-0338	63	-0,1353
4-0371	63	-0,1353
4-0402	63	-0,1353
4-0418	63	-0,1353
4-0473	63	-0,1353
4-0019	64	0,0018
4-0235	64	0,0018
4-0342	64	0,0018
4-0395	64	0,0018
4-0118	65	0,1236
4-0302	65	0,1236
4-0347	65	0,1236
4-0357	65	0,1236
4-0458	65	0,1236
4-0107	66	0,2454
4-0141	66	0,2454
4-0212	66	0,2454
4-0220	66	0,2454
4-0237	66	0,2454
4-0290	66	0,2454
4-0437	66	0,2454
4-0465	66	0,2454
4-0122	67	0,3673
4-0167	67	0,3673
4-0231	67	0,3673
4-0298	67	0,3673
4-0439	67	0,3673
4-0016	68	0,4891
4-0160	68	0,4891
4-0325	68	0,4891
4-0424	68	0,4891
4-0469	68	0,4891
4-0025	69	0,6109

Code-Nr.	Laborwert	Z(u)-Score
4-0428	69	0,6109
4-0447	69	0,6109
4-0461	69	0,6109
4-0215	70	0,7327
4-0049	71	0,8545
4-0243	71	0,8545
4-0275	74	1,2200
4-0351	74	1,2200
4-0143	75	1,3418
4-0454	75	1,3418
4-0240	76	1,4636
4-0208	77	1,5855
4-0283	78	1,7073
4-0318	78	1,7073
4-0422	79	1,8291
4-0488	82	2,1946
4-0062	85	2,5600

**Ringversuch:** 4-2012  
**Parameter:** Koloniezahl bei 36°C  
**Einheit:** n / ml  
**Gruppe:** B  
**Methode:** TrinkwV 2001 (2011) Anl. 5 I d) b  
**Anzahl Werte:** 122

**Sollwert (Mittelwert nach Hampel):** 70,62  
**Soll-Standardabweichung:** 6,527  
**rel. Soll-Standardabw. [%]:** 9,24  
**Ausschlussgrenze unten:** 58  
**Ausschlussgrenze oben:** 85

Code-Nr.	Laborwert	Z(u)-Score
4-0383	53	-2,8174
4-0090	56	-2,3376
4-0413	58	-2,0178
4-0163	59	-1,8578
4-0249	59	-1,8578
4-0336	59	-1,8578
4-0355	59	-1,8578
4-0044	60	-1,6979
4-0052	60	-1,6979
4-0206	60	-1,6979
4-0441	60	-1,6979
4-0027	61	-1,5379
4-0503	61	-1,5379
4-0279	62	-1,3780
4-0316	62	-1,3780
4-0313	63	-1,2181
4-0021	64	-1,0581
4-0049	64	-1,0581
4-0160	64	-1,0581
4-0059	65	-0,8982
4-0174	65	-0,8982
4-0340	65	-0,8982
4-0133	66	-0,7383
4-0172	66	-0,7383
4-0217	66	-0,7383
4-0373	66	-0,7383
4-0003	67	-0,5783
4-0047	67	-0,5783
4-0070	67	-0,5783
4-0102	67	-0,5783
4-0220	67	-0,5783
4-0256	67	-0,5783
4-0275	67	-0,5783
4-0353	67	-0,5783
4-0023	68	-0,4184
4-0118	68	-0,4184
4-0128	68	-0,4184
4-0155	68	-0,4184
4-0190	68	-0,4184
4-0265	68	-0,4184
4-0357	68	-0,4184
4-0428	68	-0,4184
4-0447	68	-0,4184
4-0033	69	-0,2584
4-0095	69	-0,2584
4-0113	69	-0,2584
4-0141	69	-0,2584
4-0151	69	-0,2584
4-0227	69	-0,2584
4-0259	69	-0,2584
4-0261	69	-0,2584
4-0458	69	-0,2584
4-0007	70	-0,0985
4-0014	70	-0,0985
4-0064	70	-0,0985
4-0078	70	-0,0985
4-0192	70	-0,0985
4-0198	70	-0,0985
4-0246	70	-0,0985
4-0288	70	-0,0985
4-0369	70	-0,0985
4-0389	70	-0,0985
4-0443	70	-0,0985
4-0039	71	0,0560
4-0109	71	0,0560
4-0122	71	0,0560
4-0285	71	0,0560

Code-Nr.	Laborwert	Z(u)-Score
4-0360	71	0,0560
4-0404	71	0,0560
4-0500	71	0,0560
4-0092	72	0,2018
4-0237	72	0,2018
4-0445	72	0,2018
4-0450	72	0,2018
4-0067	73	0,3477
4-0080	73	0,3477
4-0120	73	0,3477
4-0158	73	0,3477
4-0229	73	0,3477
4-0295	73	0,3477
4-0406	73	0,3477
4-0411	73	0,3477
4-0076	74	0,4935
4-0085	74	0,4935
4-0130	74	0,4935
4-0334	74	0,4935
4-0338	74	0,4935
4-0395	74	0,4935
4-0010	75	0,6393
4-0031	75	0,6393
4-0098	75	0,6393
4-0306	75	0,6393
4-0327	75	0,6393
4-0035	76	0,7851
4-0138	76	0,7851
4-0186	76	0,7851
4-0208	76	0,7851
4-0254	76	0,7851
4-0270	76	0,7851
4-0292	76	0,7851
4-0057	77	0,9310
4-0136	77	0,9310
4-0149	77	0,9310
4-0170	77	0,9310
4-0349	77	0,9310
4-0055	78	1,0768
4-0143	78	1,0768
4-0201	78	1,0768
4-0393	78	1,0768
4-0461	78	1,0768
4-0475	79	1,2226
4-0029	80	1,3684
4-0332	80	1,3684
4-0345	82	1,6601
4-0409	82	1,6601
4-0268	83	1,8059
4-0488	83	1,8059
4-0194	88	2,5350
4-0386	88	2,5350
4-0400	90	2,8267
4-0210	91	2,9725
4-0325	100	4,2850

**Ringversuch:** 4-2012  
**Parameter:** Pseudomonas aeruginosa  
**Einheit:** n / 100 ml  
**Gruppe:** A  
**Methode:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 92

**Sollwert (Mittelwert nach Hampel):** 14,98  
**Soll-Standardabweichung:** 4,869  
**rel. Soll-Standardabw. [%]:** 32,50  
**Ausschlussgrenze unten:** 6  
**Ausschlussgrenze oben:** 27

Code-Nr.	Laborwert	Z(u)-Score
4-0255	5	-2,3298
4-0125	6	-2,0964
4-0026	7	-1,8630
4-0059	7	-1,8630
4-0107	7	-1,8630
4-0204	8	-1,6296
4-0215	8	-1,6296
4-0437	8	-1,6296
4-0039	9	-1,3963
4-0190	9	-1,3963
4-0357	9	-1,3963
4-0474	9	-1,3963
4-0488	9	-1,3963
4-0081	10	-1,1629
4-0011	11	-0,9295
4-0044	11	-0,9295
4-0176	11	-0,9295
4-0449	11	-0,9295
4-0068	12	-0,6961
4-0121	12	-0,6961
4-0225	12	-0,6961
4-0229	12	-0,6961
4-0268	12	-0,6961
4-0272	12	-0,6961
4-0310	12	-0,6961
4-0340	12	-0,6961
4-0463	12	-0,6961
4-0056	13	-0,4627
4-0114	13	-0,4627
4-0261	13	-0,4627
4-0265	13	-0,4627
4-0372	13	-0,4627
4-0442	13	-0,4627
4-0477	13	-0,4627
4-0500	13	-0,4627
4-0052	14	-0,2294
4-0084	14	-0,2294
4-0173	14	-0,2294
4-0279	14	-0,2294
4-0284	14	-0,2294
4-0404	14	-0,2294
4-0421	14	-0,2294
4-0424	14	-0,2294
4-0074	15	0,0029
4-0118	15	0,0029
4-0141	15	0,0029
4-0152	15	0,0029
4-0186	15	0,0029
4-0207	15	0,0029
4-0221	15	0,0029
4-0250	15	0,0029
4-0288	15	0,0029
4-0432	15	0,0029
4-0022	16	0,1711
4-0048	16	0,1711
4-0077	16	0,1711
4-0246	16	0,1711
4-0485	16	0,1711
4-0034	17	0,3393
4-0333	17	0,3393
4-0001	18	0,5075
4-0015	18	0,5075
4-0030	18	0,5075
4-0063	18	0,5075
4-0093	18	0,5075
4-0135	18	0,5075
4-0144	18	0,5075

Code-Nr.	Laborwert	Z(u)-Score
4-0169	18	0,5075
4-0182	18	0,5075
4-0302	18	0,5075
4-0306	18	0,5075
4-0353	18	0,5075
4-0385	18	0,5075
4-0102	19	0,6757
4-0157	19	0,6757
4-0161	19	0,6757
4-0200	19	0,6757
4-0212	19	0,6757
4-0098	20	0,8439
4-0236	20	0,8439
4-0460	20	0,8439
4-0240	21	1,0121
4-0317	21	1,0121
4-0019	22	1,1804
4-0087	22	1,1804
4-0129	22	1,1804
4-0218	22	1,1804
4-0233	24	1,5168
4-0292	25	1,6850
4-0410	25	1,6850
4-0149	29	2,3578
4-0193	31	2,6942

**Ringversuch:** 4-2012  
**Parameter:** Pseudomonas aeruginosa  
**Einheit:** n / 100 ml  
**Gruppe:** B  
**Methode:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 89

**Sollwert (Mittelwert nach Hampel):** 27,75  
**Soll-Standardabweichung:** 7,635  
**rel. Soll-Standardabw. [%]:** 27,51  
**Ausschlussgrenze unten:** 14  
**Ausschlussgrenze oben:** 46

Code-Nr.	Laborwert	Z(u)-Score
4-0256	6	-3,1787
4-0439	8	-2,8864
4-0166	9	-2,7403
4-0354	14	-2,0096
4-0378	14	-2,0096
4-0243	15	-1,8635
4-0465	16	-1,7174
4-0498	17	-1,5712
4-0196	18	-1,4251
4-0016	19	-1,2790
4-0109	19	-1,2790
4-0126	19	-1,2790
4-0142	19	-1,2790
4-0085	20	-1,1328
4-0234	20	-1,1328
4-0502	20	-1,1328
4-0003	21	-0,9867
4-0262	21	-0,9867
4-0433	21	-0,9867
4-0090	22	-0,8405
4-0174	22	-0,8405
4-0274	22	-0,8405
4-0290	22	-0,8405
4-0031	23	-0,6944
4-0492	23	-0,6944
4-0122	24	-0,5483
4-0138	24	-0,5483
4-0146	24	-0,5483
4-0280	24	-0,5483
4-0028	25	-0,4021
4-0170	25	-0,4021
4-0209	25	-0,4021
4-0226	25	-0,4021
4-0303	26	-0,2560
4-0346	26	-0,2560
4-0443	26	-0,2560
4-0475	26	-0,2560
4-0041	27	-0,1099
4-0130	27	-0,1099
4-0023	28	0,0275
4-0060	28	0,0275
4-0103	28	0,0275
4-0119	28	0,0275
4-0159	28	0,0275
4-0247	28	0,0275
4-0049	29	0,1385
4-0237	29	0,1385
4-0370	29	0,1385
4-0461	29	0,1385
4-0035	30	0,2495
4-0057	30	0,2495
4-0082	30	0,2495
4-0116	30	0,2495
4-0266	30	0,2495
4-0269	30	0,2495
4-0425	30	0,2495
4-0045	31	0,3604
4-0071	31	0,3604
4-0078	31	0,3604
4-0187	31	0,3604
4-0213	31	0,3604
4-0020	32	0,4714
4-0222	32	0,4714
4-0230	32	0,4714
4-0252	32	0,4714
4-0297	32	0,4714
4-0066	33	0,5824

Code-Nr.	Laborwert	Z(u)-Score
4-0153	34	0,6933
4-0312	34	0,6933
4-0326	34	0,6933
4-0075	35	0,8043
4-0095	35	0,8043
4-0163	35	0,8043
4-0202	35	0,8043
4-0285	35	0,8043
4-0390	35	0,8043
4-0413	35	0,8043
4-0450	35	0,8043
4-0483	35	0,8043
4-0099	36	0,9152
4-0191	36	0,9152
4-0216	36	0,9152
4-0337	36	0,9152
4-0407	36	0,9152
4-0307	38	1,1372
4-0205	40	1,3591
4-0180	43	1,6920
4-0359	43	1,6920
4-0150	44	1,8030

**Ringversuch:** 4-2012  
**Parameter:** Pseudomonas aeruginosa  
**Einheit:** n / 100 ml  
**Gruppe:** C  
**Methode:** Alle zugelassenen Verfahren  
**Anzahl Werte:** 89

**Sollwert (Mittelwert nach Hampel):** 36,29  
**Soll-Standardabweichung:** 10,44  
**rel. Soll-Standardabw. [%]:** 28,76  
**Ausschlussgrenze unten:** 17  
**Ausschlussgrenze oben:** 62

Code-Nr.	Laborwert	Z(u)-Score
4-0203	5	-3,3585
4-0100	7	-3,1438
4-0379	13	-2,4998
4-0038	14	-2,3925
4-0419	14	-2,3925
4-0047	20	-1,7485
4-0313	20	-1,7485
4-0393	20	-1,7485
4-0124	22	-1,5338
4-0301	23	-1,4264
4-0436	23	-1,4264
4-0238	24	-1,3191
4-0448	25	-1,2118
4-0120	26	-1,1044
4-0067	27	-0,9971
4-0091	27	-0,9971
4-0328	27	-0,9971
4-0339	27	-0,9971
4-0083	28	-0,8897
4-0080	29	-0,7824
4-0249	29	-0,7824
4-0005	30	-0,6751
4-0235	30	-0,6751
4-0264	30	-0,6751
4-0267	30	-0,6751
4-0270	30	-0,6751
4-0160	31	-0,5677
4-0148	33	-0,3531
4-0171	33	-0,3531
4-0291	33	-0,3531
4-0423	33	-0,3531
4-0192	34	-0,2457
4-0254	34	-0,2457
4-0021	35	-0,1384
4-0055	35	-0,1384
4-0117	35	-0,1384
4-0189	35	-0,1384
4-0232	35	-0,1384
4-0309	35	-0,1384
4-0352	35	-0,1384
4-0487	35	-0,1384
4-0133	36	-0,0310
4-0210	36	-0,0310
4-0217	36	-0,0310
4-0304	36	-0,0310
4-0228	37	0,0572
4-0259	37	0,0572
4-0220	38	0,1377
4-0371	38	0,1377
4-0493	38	0,1377
4-0014	39	0,2181
4-0167	39	0,2181
4-0185	39	0,2181
4-0283	39	0,2181
4-0104	40	0,2986
4-0140	40	0,2986
4-0164	40	0,2986
4-0276	40	0,2986
4-0361	40	0,2986
4-0428	40	0,2986
4-0214	41	0,3790
4-0458	41	0,3790
4-0499	41	0,3790
4-0017	42	0,4595
4-0043	42	0,4595
4-0073	42	0,4595
4-0198	42	0,4595

Code-Nr.	Laborwert	Z(u)-Score
4-0051	43	0,5400
4-0206	43	0,5400
4-0287	43	0,5400
4-0029	44	0,6204
4-0062	44	0,6204
4-0097	45	0,7009
4-0033	46	0,7814
4-0223	46	0,7814
4-0244	47	0,8618
4-0355	47	0,8618
4-0469	47	0,8618
4-0076	48	0,9423
4-0086	48	0,9423
4-0128	48	0,9423
4-0143	48	0,9423
4-0113	49	1,0228
4-0058	55	1,5055
4-0155	56	1,5860
4-0476	56	1,5860
4-0409	57	1,6665
4-0025	58	1,7469
4-0484	60	1,9078