

## 6. Literaturnachweis

- 1 Nataro J., Kaper J. Diarrheagenic *Escherichia coli*  
CMR 1998 Jan p. 142-201
- 2 Wagner J. Verarbeitung von Stühlen und anderen Materialien im TPE- Labor  
IMI 2000 Apr p. 19-27
- 3 Kist M., Bockemühl J. et al. Infektionen des Darmes  
MiQ 9 2000 p. 42
- 4 Franck S., Bosworth B. et al. Multiplex PCR for *Enterotoxigenic, Attaching and Effacing, and Shiga Toxin- Producing Escherichia coli* Strains from Calves  
JCM 1998 Jun p. 1795-1797
- 5 Elnifro E., Ashshi A. et al. Multiplex PCR: Optimization and Applikation in Diagnostic Virology  
CMR 2000 Oct p. 559-570
- 6 Vogel, L., van Oorschot, E. et al. Epidemiologic typing of *Escherichia coli* using RAPD analysis, ribotyping and serotyping  
CMI 6 2000 p. 82-87
- 7 Holland J., Louie L. et al. PCR Detection of *E. coli* O157:H7 Directly from Stools: Evaluation of Commercial Extraction Methods for Purifying Fecal DNA  
JCM 2000 Nov p. 4108-4113
- 8 Abu Al-Soud W., Radstrom P. Effects of Amplification Facilitators on Diagnostic PCR of Blood, Feces and Meat  
JCM 2000 Dec p. 4463-4470
- 9 Institut Dr. Risch *Coli-* Bakterien als Durchfallerreger: Diagnose mit PCR(Webside)  
Institut Dr. Risch Laboratorien FAMH 1999 Nov
- 10 Lehn, N. Pathogene *E.coli*  
Institut für Medizinische Mikrobiologie und Hygiene der Universität Regensburg  
2000 Apr (Webside)
- 11 Tornieporth N., John J. et al. Differentiation of Pathogenic *Escherichia coli* Strains in Brazilian Children by PCR  
JCM 1995 May p. 1371-1374
- 12 Mülhardt, C. Molekularbiologie 2. Auflage 2000  
p. 67-80
- 13 Roche Molecular Biochemicals PCR Application Manual 2nd Edition

- p. 64-65
- 14 Mandell, Douglas & Bennetts: Principles and Practice of Infectious Diseases  
4<sup>th</sup> Edition Churchill Livingstone 1995
  - 15 Lehn, N. Pathogene *E. coli* –EHEC  
Institut für Medizinische Mikrobiologie und Hygiene der Universität Regensburg  
2000 Apr (Webside)
  - 16 Timm M., Klie H. et al. Verfahren zum qualitativen Nachweis von Verotoxin-  
produzierenden *Escherichia coli* (VTEC) in Lebensmitteln und Fäzes  
Bundesgesundheitsblatt Sonderheft EHEC in Deutschland 1998 Oct p. 20-25
  - 17 Takeda, Y. Enterohaemorrhagic *Escherichia coli*  
World Health Stat Q Rapp. trimest. statist. sanit. mond. 50 (1997) p. 74-80
  - 18 Karch H., Bockemühl J. et al. Erkrankungen durch enterohämorrhagische  
*Escherichia coli* (EHEC)  
Deutsches Ärzteblatt 2000 Sept p. 1759-1763
  - 19 Ratgeber Infektionskrankheiten 6. Folge EHEC- Infektionen  
Epidemiologisches Bulletin RKI Aug 1999 p. 227-230
  - 20 Wichtige Infektionskrankheiten in Deutschland Jahresbericht 1999 Teil 1:  
Darminfektionen (2.Folge)  
Epidemiologisches Bulletin RKI 2000 Aug p. 271-278
  - 21 Sobieszczanska B., Gryko R. et al. Isolation of verotoxigenic strains of *Escherichia*  
*coli* O 26 in Poland  
CMI 6 2000 p. 227-229
  - 22 Hu Y, Zhang Q et al. Rapid and sensitive detection of *Escherichia coli* O157:H7 in  
bovine feces by a multiplex PCR  
JAM 1999 Dec p. 867-876
  - 23 Fagan P., Hornitzky M. et al. Detection of *Shiga- Like Toxin* (*stx1* and *stx2*),  
*Intimin* (*eaeA*) and Enterohemorrhagic *Escherichia coli* (EHEC) Hemolysin Genes  
(EHEC *hlyA*) in Animal Feces by Multiplex PCR  
AEM 1999 Feb p. 868-872
  - 24 Gunzer F., Böhm H. et al. Molecular Detection of Sorbitol- Fermenting *Escherichia*  
*coli* O 157 in Patients with Hemolytic- uremic Syndrome  
JCM 1992 Jul p. 1807-1810
  - 25 Cebula T., Payne W. et al. Simultaneous Identification of Strains of *Escherichia coli*

- Serotype O 157: H 7 and Their *Shiga- Like Toxin* Type by Mismatch Amplification Mutation Assay-Multiplex PCR  
JCM 1995 Jan p. 248-250
- 26 Louie M., Read S. et al. Application of Multiplex PCR for Detection of Non- O 157 Verocytotoxin-Producing *Escherichia coli* in Bloody Stools: Identification of Serogroups O26 and O111  
JCM 1998 Nov p. 3375-3377
- 27 Wang G., Clark C. et al. Detection in *Escherichia coli* of the Genes Encoding the Major Virulence Factors, the Genes Defining the O157:H7 Serotype, and Components of the Type 2 Shiga Toxin Family by Multiplex PCR  
JCM 2002 Oct p. 3613-3619
- 28 Talan D., Moran G. et al. Etiology of Bloody Diarrhea among Patients Presenting to United States Emergency Departments: Prevalence of *Escherichia coli* O157:H7 and Other Enteropathogens  
CID 2001:32 p. 573-580
- 29 Reissbrodt R., Klare I. et al. Enterohämorrhagische *E.coli* (EHEC), Vancomycin-resistente Enterokokken und MRSA  
Fortbildungsveranstaltung der Charite 11/2000
- 30 Reischl U., Youssef M. et al. Real- Time Fluorescens PCR Assays for Detection and Characterization of *Shiga Toxin*, *Intimin*, and *Enterohemolysin* Genes from *Shiga Toxin-Producing Scherichia coli*  
JCM 2002 Jul p. 2555-2565
- 31 Gunzburg,S., Tornieporth,N. et al. Identification of Enteropathogenic *Escherichia coli* by PCR- Based Detection of the *Bundle-Forming Pilus* Gene  
JCM May 1995 p. 1375-1377
- 32 Sohel I., Puente J. et al. Enteropathogenic *Escherichia coli*: Identification of a Gene Cluster Coding for *Bundle-Forming Pilus* Morphogenesis  
JB 1996 May p. 2613-2628
- 33 Bouzari S., Jafari M. et al. Virulence- related DNA sequences and adherence patterns in strains of Enteropathogenic *Escherichia coli*  
FEMS Microbiology Letters 185 2000 p. 89-93
- 34 Bortolini M., Trabulsi L. et al. Lack of expression of bundle-forming pili in some clinical isolates of enteropathogenic *Escherichia coli* is due to a conserved large deletion in the *bfp* operon

- FEMS Microbiology Letters 179 1999 p. 169-174
- 35 Anantha R., Stone K. et al. Effects of *bfp* Mutations on Biogenesis of Functional Enteropathogenic *Escherichia coli* Type IV Pili  
JB 2000 May p. 2498-2506
- 36 Tobe T., Hayashi T. et al. Complete DNA Sequence and Structural Analysis of the Enteropathogenic *Escherichia coli* Adherence Factor Plasmid  
II 1999 Oct p. 5455-5462
- 37 Giron J., Donnenberg M. et al. Distribution of the *Bundle-Forming Pilus* Structural Gene (*bfpA*) among Enteropathogenic *Escherichia coli*  
JID 168 1993 p. 1037-1041
- 38 Hicks S., Frankel G. et al. Role of *Intimin* and *Bundle-Forming Pilus* in Enteropathogenic *Escherichia coli* Adhesion to Pediatric Intestinal Tissue In Vitro  
II 1998 Apr p. 1570-1578
- 39 Anantha R., Stone K. et al. Role of *BfpF*, a Member of the PilT Family of Putative Nucleotide-Binding Proteins, in Type IV Pilus Biogenesis and in Interactions between Enteropathogenic *Escherichia coli* and Host Cells  
II 1998 Jan p. 122-131
- 40 Giron J., Suk Yue Ho A. et al. An Inducible *Bundle-Forming Pilus* of Enteropathogenic *Escherichia coli*  
Science 254 1991 p. 710-713
- 41 Nataro J., Baldini M. et al. Detection of an Adherence Factor of Enteropathogenic *Escherichia coli* with a DNA Probe  
JID 1985 Sept p. 560-565
- 42 Franke J., Franke S. et al. Nucleotide Sequence Analysis of Enteropathogenic *Escherichia coli* (*EPEC*) Adherence Factor Probe and Development of PCR for Rapid Detection of *EPEC* Harboring Virulence Plasmids  
JCM 1994 Oct p. 2460-2463
- 43 Giammanco A., Maggio M. et al. Characteristics of *Escherichia coli* Strains Belonging to Enteropathogenic *E.coli* Serogroups Isolated in Italy from Children with Diarrhea  
JCM 1996 Mar p. 689-694
- 44 Paton A., Paton J. Direct Detection of Shiga Toxigenic *Escherichia coli* by Multiplex PCR for *stx1*, *stx2*, *eae*, *ehxA*, and *saa*  
JCM 1999 Oct p. 3362-3365

- 45 Wieler L., Vieler E. et al. Shiga Toxin-Producing *Escherichia coli* Strains from Bovines : Association of Adhesion with Carriage of *eae* and Other Genes  
JCM 1996 Dec p. 2980-2984
- 46 Sohel I., Puente J. et al. Cloning and characterisation of the *bundle-forming pilin* gene of enteropathogenic *Escherichia coli* and its distribution in *Salmonella* serotypes  
Molecular Microbiology 7/1993 p. 563-575
- 47 Tsen H., Jian L. Development and use of a multiplex PCR system for the rapid screening of *heat labile toxin I*, *heat stable toxin II* and *shiga-like toxin I and II* genes of *Escherichia coli* in water  
JAM 84 1998 p. 585-592
- 48 Stacy- Phipps S., Mecca J. et al. Multiplex PCR Assay and Simple Preparation Method for Stool Specimens Detect Enterotoxigenic *Escherichia coli* DNA during Course of Infection  
JCM 1995 May p. 1054-1059
- 49 Moseley S., Hardy J. et al. Isolation and Nucleotide Sequence Determination of a Gene Encoding a Heat- Stable Enterotoxin of *Escherichia coli*  
II 1983 Mar p. 1167-1174
- 50 Sethabutr O., Venkatesan M. et al. Detection of *Shigellae* and Enteroinvasive *Escherichia coli* by Amplification of the *Invasion Plasmid Antigen H DNA* Sequence in Patients with Dysentery  
JID 1993 Jan p. 458-461
- 51 Luscher D., Altwegg M. Detection of *shigellae*, enteroinvasive and enterotoxigenic *Escherichia coli* using the PCR in patients returning from tropical countries  
Mol Cell Probes 1994 Aug p. 285-290
- 52 Frankel G., Giron J. et al. Multigene amplification: simultaneous detection of three virulence genes in diarrheal stool  
Molecular Microbiology 1989 Mar p. 1729-1734
- 53 Schmidt H., Knop C. et al. Development of PCR for Screening of Enteroaggregative *Escherichia coli*  
JCM 1995 Mar p. 701-705
- 54 Forestier C., Meyer M. et al. Enteroadherent *Escherichia coli* and Diarrhea in Children: a Prospective Case-Control Study  
JCM 1996 Dec p. 2897-2903

- 55 Schmidt, M., Beinke, C. et al. LEE- Homologie in diffus adhärierenden *Escherichia coli*  
Institut für Infektiologie Universität Münster Forschungsbericht 1997-98 (Webside)
- 56 Biswas R., Nelson E. et al. Molecular Epidemiology of *Escherichia coli* Diarrhea in Children in Hong Kong  
JCM 1996 Dec p. 3233-3234
- 57 Poitrineau P., Forestier C. et al. Retrospective Case- Control Study of Diffusely Adhering *Escherichia coli* and Clinical Features in Children with Diarrhea  
JCM 1995 Jul p. 1961-1962
- 58 Beinke C., Laarmann S. et al. Diffusely Adhering *Escherichia coli* Strains Induce Attaching and Effacing Phenotypes and Secrete Homologs of *Esp* Proteins II 1998 Feb p. 528-539
- 59 Vargas M., Gascon J. et al. Prevalence of diarrheagenic *Escherichia coli* strains detected by PCR in patients with traveler's diarrhea  
CMI 1998 Feb p. 682-688
- 60 Schultsz C., van den Ende J. et al. Diarrheagenic *Escherichia coli* and acute and persistent diarrhea in returned travellers  
JCM 2000 Oct p. 3550-3554
- 61 Wilson A., Evans J. et al. Characterisation of strains of enteroaggregative *Escherichia coli* isolated during the infectious intestinal disease study in England  
EJE 2001 p. 1125-1130
- 62 Ogata K., Kato R. et al. Prevalence of *Escherichia coli* possessing the *eaeA* gene of enteropathogenic *E. coli* (EPEC) or the *aggR* gene of enteroaggregative *E. coli* (EaggEC) in traveler's diarrhea diagnosed in those returning to Tama, Tokyo from other Asian countries  
JpnJID 2002 Feb p. 14-18
- 63 Beutin L., Geier D. et al. Epidemiological relatedness and clonal types of natural populations of *Escherichia coli* strains producing Shiga toxins in separate populations of cattle and sheep  
Appl Environ Microbiol. 1997 Jun p. 2175-2180
- 64 Beutin L. *Escherichia coli* as a pathogen in dogs and cats  
Vet Res. 1999 Mar-Jun p. 285-298

- 65 Echeverria P., Seriwatana J. et al. Prevalence of heat-stable II enterotoxigenic *Escherichia coli* in pigs, water, and people at farms in Thailand as determined by DNA hybridisation  
J Clin Microbiol. 1984 Apr p. 489-491
- 66 Cherifi A., Contrepolis M. et al. Clonal relationship among *Escherichia coli* serogroup 06 isolates from human and animal infections  
FEMS Microbiol Lett. 1991 May p. 225-230
- 67 Olsvic O., Wasteson Y. et al. Pathogenic *Escherichia coli* found in food  
Int J Food Microbiol. 1991 Jan p. 103-113
- 68 Goffaux F., China B. et al. Genotypic characterization of enteropathogenic *Escherichia coli* (EPEC) isolated in Belgium from dogs and cats  
Res Microbiol. 2000 Dec p. 865-871
- 69 Miao E., Miller S. Bacteriophages in the evolution of pathogen-host interactions  
Proc. Natl. Acad. Sci. 1999 Aug p. 9452-9454
- 70 Armstrong GL, Hollingsworth J. et al. Emerging foodborne pathogens: *Escherichia coli* O157:H7 as a model of entry of a new pathogen into the food supply of the developed world  
Epidemiol Rev 1996; 18 p. 29-51
- 71 Lathem WW, Bergsbaken T. et al. Acquisition of *stcE*, a C1 esterase inhibitor-specific metalloprotease, during the evolution of *Escherichia coli* O157:H7  
J Infect Dis 2003 Jun p. 1907-1914
- 72 Wang Y., Wang H. et al. Study on the prevalence of the 'high pathogenicity island' of *Yersinia enterocolitica* WA in Enterotoxigenic, Enteropathogenic and Enteroaggregative *E. coli* strains  
Zhonghua Liu Xing Bing Xue Za Zhi 2003 Mar p. 213-215
- 73 Bakterielle Gastroenteritiden in Deutschland 2001  
Epidemiologisches Bulletin RKI 50/2002 p. 417-428
- 74 Jahresstatistik meldepflichtiger Infektionskrankheiten 2002  
Epidemiologisches Bulletin RKI 15/2003 p. 116-119
- 75 Toma C., Lu Y. et al. Multiplex PCR Assay for Identification of Human Diarrheagenic *Escherichia coli*  
J Clin Microbiol. 2003 Jun p. 2669-2671
- 76 Orden JA., Ruiz- Santa- Quiteria JA. et al. Prevalence and characteristics of necrotoxicogenic *Echerichia coli* (NTEC) strains isolated from diarrhoeic calves

- Vet Microbiol. 1999 May p. 265-273
- 77 Peruski LF Jr., Kay BA. et al. Phenotypic diversity of *enterotoxigenic Escherichia coli* strains from a community-based study of pediatric diarrhea in periurban Egypt  
J Clin Microbiol. 1999 Sep p. 2974-2978
- 78 Iyoda S., Tamura K. et al. Inducible stx2 phages are lysogenized in the *enteroaggregative* and other phenotypic *Escherichia coli* O86:HNM isolated from patients  
FEMS Microbiol Lett. 2000 Oct p. 7-10
- 79 Ghilardi AC., Gomes TA. et al. Production of cytolethal distending toxin and other virulence characteristics of *Escherichia coli* strains of serogroup O86  
Mem Inst Oswaldo Cruz. 2001 Jul p. 703-708
- 80 Asrat D. Screening for *enteropathogenic Escherichia coli* (EPEC) in pediatric patients with diarrhoea and controls using pooled antisera  
Ethiop Med J. 2001 Jan p. 23-28
- 81 Vijvodic S. Acquired B antigen in a pregnant woman belonging to the A1 blood group: case report  
Med Pregl. 2001 Sep-Oct p. 490-492
- 82 Paciorek J. Virulence properties of *Escherichia coli* faecal strains isolated in Poland from healthy children and strains belonging to serogroups O18, O26, O44; O86; O126 and O127 isolated from children with diarrhoea  
J Med Microbiol. 2002 Jul p. 548-556
- 83 La Ragione RM., McLaren IM. et al. Phenotypic and genotypic characterization of avian *Escherichia coli* O86:K61 isolates possessing a gamma-like intimin  
Appl Environ Microbiol. 2002 Oct p. 4932-4942
- 84 Katoh R., Ogata K. et al. The incidence and the valuation of eaeA gene of *enteropathogenic Escherichia coli* (EPEC) or aggR gene of *enteroaggregative E. coli* (EaggEC) in the strains isolated from patients in sporadic diarrhea cases  
Kansenshogaku Zasshi. 2002 Sep p. 721-729
- 85 Pennycott TW., Cinderey RN. et al. *Salmonella enterica subspecies enterica* serotyp *Typhimurium* and *Escherichia coli* O86 in wild birds at two garden Sites in south-west Scotland  
Vet Rec. 2002 Nov p. 563-567
- 86 Bettelheim KA., Beutin L. et al. Serotypes of *Escherichia coli* isolated from healthy infants in Berlin, Germany and Melbourne, Australia



- Comp Immunol Microbiol Infect Dis. 2003 Jan p. 55-63
- 87 Johnson JY., Thomas JE. et al. Prevalence of *Escherichia coli* O157:H7 and *Salmonella spp.* in surface waters of southern Alberta and ist relation to manure sources  
Can J Microbiol. 2003 May p. 326-335
- 88 McKee R., Madden RH. et al. Occurrence of verocytotoxin- producing *Escherichia coli* in dairy and meat processing environments  
J Food Prot. 2003 Sep p. 1576-1580
- 89 el-Sheik SM., el-Assouli SM. et al. Prevalence of viral, bacterial and parasitic enteropathogens among young children with acute diarrhoea in Jeddah, Saudi Arabia  
J Health Popul Nutr. 2001 Mar p. 25-30
- 90 Orlandi PP., Silva T. et al. Enteropathogens associated with diarrheal disease in infants of poor urban areas of Porto Velho, Rondonia: a preliminary study  
Mem Inst Oswaldo Cruz. 2001 Jul p. 621-625
- 91 Keskimaki M., Eklund M. et al. *EPEC*, *EAEC* and *STEC* in stool specimens: prevalence and molecular epidemiology of isolates  
Diagn Microbiol Infect Dis. 2001 Aug p. 151-156
- 92 Batikhi MN. et al. Epidemiological study on Jordanian patients suffering from diarrhoea  
New Microbiol. 2002 Oct p. 405-412
- 93 Ahmetagic S., Jusufovic R. et al. Acute infectious diarrhea in children  
Med Arh. 2003 p. 87-92
- 94 Nishikawa Y., Zhou Z. et al. Diarrheagenic *Escherichia coli* isolated from stools of sporadic cases of diarrheal illness in Osaka city, Japan between 1997 and 2000: prevalence of *enteroaggregative E. coli* heat- stable enterotoxin 1 gene possessing *E. coli*  
Jpn J Infect Dis. 2002 Dec p. 183-190
- 95 Piva IC., Pereira AL. et al. Virulence markers of *enteroaggregative Escherichia coli* isolated from children and adults with diarrhea in Brasilia, Brazil  
J Clin Microbiol. 2003 May p. 1827-1832
- 96 Vila J., Vargas M. et al. *Enteroaggregative escherichia coli* virulence factors in traveler's diarrhea strains  
J Infect Dis. 2000 Dec p. 1780-1783

- 97 Vila J., Vargas M. et al. Susceptibility patterns of *enteroaggregative Escherichia coli* associated with traveller's diarrhoea: emergence of quinolone resistance  
J Med Microbiol. 2001 Nov p. 996-1000
- 98 Merlin Optimum S Verotoxin 1+2 Antigen ELISA Produkt- und  
Gebrauchsinformation  
Seramun Diagnostica GmbH
- 99 Daniels NA., Neimann J. et al. Traveler's diarrhea at sea: three outbreaks of  
waterborne *enterotoxigenic Escherichia coli* on cruise ships  
J Infect Dis. 2000 Apr p. 1491-1495
- 100 Mitsuda T., Muto T. et al. Epidemiological study of a food- borne outbreak of  
*enterotoxigenic Escherichia coli* O25:NM by puls- field gel electrophoresis and  
randomly amplified polymorphic DNA- analysis  
J Clin Microbiol. 1998 Mar p. 652-656
- 101 Taneja N., Das A. et al. Nosocomial outbreak of diarrhoea by *enterotoxigenic  
Escherichia coli* among preterm neonates in a tertiary care hospital in india  
J Hosp Infect. 2001 Mar p. 193-197
- 102 Rowland MG. The Gambia and Bangladesh: the seasons and diarrhoea  
Dialogue Diarrhoea. 1986 Sep p. 3
- 103 Paredes P., Campbell- Forrester S. et al. Etiology of traveler's diarrhoea on a  
Caribbean island  
J Travel Med. 2000 Jan p. 15-18
- 104 Long K., Vasquez- Garibay E. et al. The impact of infant feeding patterns on  
infection and diarrheal disease due to *enterotoxigenic Escherichia coli*  
Salud Publica Mex. 1999 Jul- Aug p. 263-270
- 105 Clemens JD., Rao MR. et al. Breastfeeding and the risk of life- threatening  
*enterotoxigenic Escherichia coli* diarrhea in Bangladeshi infants and children  
Pediatrics. 1997 E2
- 106 Estrada- Garcia T., Cerna JF. et al. Faecal contamination and *enterotoxigenic  
Escherichia coli* in street- vended chili sauces in Mexico and its public health  
relevance  
Epidemiol Infect. 2002 Aug p. 223-226
- 107 Teophilo GN, dos Fernandes Vieira RH et al. *Escherichia coli* isolated from Seafood:  
toxicity and plasmid profiles  
Int Microbiol. 2002 Mar p. 11-14

- 108 Naimi TS., Wicklund JH. et al. Concurrent outbreaks of *Shigella sonnei* and *enterotoxigenic Escherichia coli* infections associated with parsley: implications and control of foodborne illness  
J Food Prot. 2003 p. 535-541