

9. Literaturverzeichnis

- Aarts, H. J. M., Vanlith, L. A. J. T. und Jacobs-Reitsma, W. F. 1995. Discrepancy between Penner serotyping and polymerase chain-reaction fingerprinting of *Campylobacter* isolated from poultry and other animal sources. Lett. Appl. Microbiol. 20: 371-374
- Abram, D. D. und Potter, N. N. 1984. Survival of *Campylobacter jejuni* at different temperatures in broth, beef, chicken and cod supplemented with sodium-chloride. J. Food Protect. 47: 795-800
- Achen, M., Morishita, T. Y. und Ley, E. C. 1998. Shedding and colonization of *Campylobacter jejuni* in broilers from day-of-hatch to slaughter age. Avian Dis. 42: 732-737
- Acuff, G. R., Vanderzant, C., Hanna, M. O., Ehlers, J. G., Golan, F. A. und Gardner, F. A. 1986. Prevalence of *Campylobacter jejuni* in turkey carcass processing and further processing of turkey products. J. Food Protect. 49: 712-717
- Aho, M. und Hirn, J. 1988. Prevalence of *Campylobacter* in the Finnish broiler chicken chain from the producer to the consumer. Acta Vet. Scand. 29: 451-462
- Altekruze, S. F., Stern, N. J., Fields, P. I. und Swerdlow, D. L. 1999. *Campylobacter jejuni*-An emerging foodborne pathogen. Emerg. Infect. Dis. 5: 28-35
- Altmeyer, M., Krabisch, P. und Dorn, P. 1985. Occurance and distribution of *Campylobacter jejuni/coli* in broiler production. 1. Communication. Dtsch. tierärztl. Wschr. 92: 456-459
- Annable, M. J., Marshall, A. D. und Silley, P. 1998. Optimisation of incubation atmosphere for the growth of *Campylobacter* spp. and of *Helicobacter pylori*. Arch. Lebensmittelhyg. 49: 118-119
- Annan-Prah, A. und Janc, M. 1988. The mode of spread of *Campylobacter jejuni/coli* to broiler flocks. Zentralbl. Veterinarmed. B 35: 11-18
- Anonymous, 2006a. Microbiology of food and feeding stuffs - Horizontal method for the detection and enumeration of *Campylobacter* growing at 41, 5°C-Part 1: Detection method.

ISO 10272-1:2006

Anonymus. 2006b. Microbiology of food and feeding stuffs - Horizontal method for the detection and enumeration of *Campylobacter* growing at 41, 5°C-Part 2: Colony-count technique. ISO 10272-2:2006

Asrat, D. A., Hathaway, A., Sjogren, E., Ekwall, E. und Kaijser, B. 1997. The serotype distribution of *Campylobacter jejuni* and *Campylobacter coli* isolated from patients with diarrhoea and controls at Tikur Anbassa Hospital, Addis Ababa. Ethiopia. Epidemiol. Infect. 118: 91-95

Atanassova, V., Altemeier, J., Kruse, K. P. und Dolzinski, B. 1998. The detection of *Salmonella* and *Campylobacter* in fresh poultry. Fleischwirtsch. 78: 364-366

Baillon, M. L. A., van Vliet, A. H. M., Ketley, J. M., Constantinidou, C. und Penn, C. W. 1999. An iron-regulated alkyl hydroperoxide reductase (AhpC) confers aerotolerance and oxidative stress resistance to the microaerophilic pathogen *Campylobacter jejuni*. J. Bacteriol. 181: 4798-4804

Baker, R. C., Paredes, M. D. und Qureshi, R. A. 1987. Prevalence of *Campylobacter jejuni* in eggs and poultry meat in New York State. Poult. Sci. 66: 1766-1770

Bang, D. D., Scheutz, F., Ahrens, P., Pedersen, K., Blom, J. und Madsen, M. 2001. Prevalence of cytolethal distending toxin (cdt) genes and CDT production in *Campylobacter* spp. isolated from Danish broilers. J. Med. Microbiol. 50: 1087-1094

Bar, W. und Fricke, G. 1987. Rapid and improved Gas-Liquid-Chromatography Technique for detection of hippurate hydrolysis by *Campylobacter jejuni* and *Campylobacter coli*. J. Clin. Microbiol. 25: 1776-1778

Barrett, T. J., Patton, C. M. und Morris, G. K. 1988. Differentiation of *Campylobacter* species using phenotypic characterization. Lab. Med. 19: 96-102

Barros-Velazquez, J., Jimenez, A. und Villa, T. G. 1999. Isolation and typing methods for the epidemiologic investigation of thermotolerant campylobacters. Int. Microbiol. 2: 217-226

Beery, J. T., Hugdahl, M. B. und Doyle, M. P. 1988. Colonization of gastrointestinal tracts

of chicks by *Campylobacter jejuni*. Appl. Environ. Microbiol. 54: 2365-2370

Berndtson, E., Tivemo, M. und Engvall, A. 1992. Distribution and numbers of *Campylobacter* in newly slaughtered broiler chickens and hens. Int. J. Food Microbiol. 15: 45-50

Berndtson, E., Danielsson-Tham, M. L. und Engvall, A. 1996. *Campylobacter* incidence on a chicken farm and the spread of *Campylobacter* during the slaughter process. Int. J. Food Microbiol. 32: 35-47

Berrang, M. E. und Dickens, J. A. 2000. Presence and level of *Campylobacter* spp. on broiler carcasses throughout the processing plant. J. Appl. Poult. Res. 9: 43-47

Berrang, M. E., Buhr, R. J., Cason, J. A. und Dickens, J. A. 2001a. Broiler carcass contamination with *Campylobacter* from feces during defeathering. J. Food Protect. 64: 2063-2066

Berrang, M. E., Ladely, S. R. und Buhr, R. J. 2001b. Presence and level of *Campylobacter*, coliforms, *Escherichia coli*, and total aerobic bacteria recovered from broiler parts with and without skin. J. Food Protect. 64: 184-188

Berrang, M. E., Smith, D. P., Windham, W. R. und Feldner, P. W. 2004. Effect of intestinal content contamination on broiler carcass *Campylobacter* counts. J. Food Protect. 67: 235-238

Beuchat, L. R. 1985. Efficacy of media and methods for detecting and enumerating *Campylobacter jejuni* in refrigerated chicken meat. Appl. Environ. Microbiol. 50: 934-939

Beuchat, L. R. 1987. Efficacy of some methods and media for detecting and enumerating *Campylobacter jejuni* in frozen chicken meat. J. Appl. Bacteriol. 62: 217-221

Beumer, R. R., Devries, J. und Rombouts, F. M. 1992. *Campylobacter jejuni* nonculturable coccoid cells. Int. J. Food Microbiol. 15: 153-163

Bhaduri S. und Cottrell B., 2004. Survival of cold-stressed *Campylobacter jejuni* on ground chicken and chicken skin during frozen storage. Appl. Environ. Microbiol. 70: 7103-7109

Black, R. E., Levine, M. M., Clements, M. L., Hughes, T. P. und Blaser, M. J. 1988.

- Experimental *Campylobacter jejuni* infection in humans. J. Infect. Dis. 157: 472-479
- Blankenship, L. C. und Craven, S. E. 1982. *Campylobacter jejuni* survival in chicken meat as a function of temperature. Appl. Environ. Microbiol. 44: 88-92
- Blaser, M. J., Berkowitz, I. D., Laforce, F. M., Cravens, J., Reller, L. B. und Wang, W. L. L. 1979. *Campylobacter enteritis* - Clinical and epidemiologic features. Ann. Intern. Med. 91: 179-185.
- Blaser, M. J. 1982. *Campylobacter jejuni* and food. Food Technol. 36: 89-92
- Blaser, M. J., Taylor, D. N. und Feldman, R. A. 1983. Epidemiology of *Campylobacter jejuni* infections. Epidemiol. Rev. 5: 157-176
- Böttcher, W. 2004. ZMP-Marktbilanz Eier und Geflügel 2004. Verlag ZMP Zentrale Markt- und Preisberichtsstelle GmbH, Bonn, Deutschland
- Bolton, F. J. und Coates, D. 1983. A comparison of microaerobic systems for the culture of *Campylobacter jejuni* and *Campylobacter coli*. Eur. J. Clin. Microbiol. 2: 105-110
- Bolton, F. J., Holt, A. V. und Hutchinson, D. N. 1984. *Campylobacter* biotyping scheme of epidemiological value. J. Clin. Pathol. 37: 677-681
- Boosinger, T. R., Blevins, W. T., Heron, J. V. und Sunter, J. L. 1990. Plasmid profiles of six species of *Campylobacter* from human beings, swine, and sheep. Am. J. Vet. Res. 51: 718-722
- Bornemann-Rohrig, M. 1985. Vorkommen von *Campylobacter jejuni* und *Campylobacter coli* bei Tierkörpern, Nebenprodukten und in der Umgebung des Schlachtprozesses mit Modellversuchen über die Tenazität der Erreger. Berlin, Freie Univ. Fachbereich Veterinärmed., Diss.
- Boucher, S. N., Slater, E. R., Chamberlain, A. H. L. und Adams, M. R. 1994. Production and viability of coccoid forms of *Campylobacter jejuni*. J. Appl. Bacteriol. 77: 303-307
- Briscoe, D. M., McMenamin, J. B. und O'Donohoe, N. V. 1987. Prognosis in Guillain-Barre syndrome. Arch. Dis. Child 62: 733-735

Brouwer, R., Mertens, M. J., Siem, T. H. und Katchaki, J. 1979. An explosive outbreak of *Campylobacter enteritis* in soldiers. J. Microbiol. Serol. 45: 517-519

Bryan, F. L. und Doyle, M. P. 1995. Health risks and consequences of *Salmonella* and *Campylobacter jejuni* in raw poultry. J. Food Protect. 58: 326-344

Buck, G. E., Fojtasek, C., Calvert, K. und Kelly, M. T. 1982. Evaluation of the CampyPak-II Gas Generator System for isolation of *Campylobacter fetus* subsp. *jejuni*. J. Clin. Microbiol. 15: 41-42

Buck, G. E., Parshall, K. A. und Davis, C. P. 1983. Electron-Microscopy of the coccoid form of *Campylobacter jejuni*. J. Clin. Microbiol. 18: 420-421

Buhr, R. J., Cox, N. A., Stern, N. J., Musgrove, M. T., Wilson, J. L. und Hiett, K. L. 2002. Recovery of *Campylobacter* from segments of the reproductive tract of broiler breeder hens. Avian Dis. 46: 919-924

Butler, R. C., Lund, V. und Carlson, D. A. 1987. Susceptibility of *Campylobacter jejuni* and *Yersinia enterocolitica* to UV radiation. Appl. Environ. Microbiol. 53: 375-378

Butzler, J. P., Dekeyser , P., Detrain, M. und Dehaen, F. 1973. Related vibrios in stools. J. Pediatr. 82: 493-495

Butzler, J. P. und Skirrow, M. B. 1979. *Campylobacter enteritis*. Clin. Gastroenterol. 8: 737-765

Butzler, J. P., Deboeck, M. und Goossens, H. 1983. New selective medium for isolation of *Campylobacter jejuni* from fecal specimens. Lancet 1: 818

Butzler, J. P. und Oosterom, J. 1991. *Campylobacter* - Pathogenicity and significance in foods. Int. J. Food Microbiol. 12: 1-8

Butzler, J. P., Glupczynski, Y. und Goossens, H. 1992. *Campylobacter* and Helicobacter Infections. Curr. Opin. Infect. Dis. 5: 80-87

Butzler, J. P. 2004. *Campylobacter*, from obscurity to celebrity. Clin. Microbiol. Infect. 10: 868-876

- Byrd, J. A., Hargis, B. M., Corrier, D. E., Brewer, R. L., Caldwell, D. J., Bailey, R. H., McReynolds, J. L., Herron, K. L. und Stanker, L. H. 2002. Fluorescent marker for the detection of crop and upper gastrointestinal leakage in poultry processing plants. Poult. Sci. 81: 70-74
- Caldwell, M. B., Guerry, P., Lee, E. C., Burans, J. P. und Walker, R. I. 1985. Reversible expression of flagella in *Campylobacter jejuni*. Infect. Immun. 50: 941-943
- Camarda, A., Newell, D. G., Nasti, R. und Di Modugno, G. 2000. Genotyping *Campylobacter jejuni* strains isolated from the gut and oviduct of laying hens. Avian Dis. 44: 907-912
- Capita, R., Prieto M. und Alfonso-Calleja, C. 2004. Sampling methods for microbiological analysis of red meat and poultry carcasses. J Food Protect. 67: 1303-1308
- Cappelier, J. M., Lazaro, B., Rossero, A., Fernandez-Astorga, A. und Federighi, M. 1997. Double staining (CTC-DAPI) for detection and enumeration of viable but non-culturable *Campylobacter jejuni* cells. Vet. Res. 28: 547-555
- Cawthraw, S., Ayling, R., Nuijten, P., Wassenaar, T. und Newell, D. G. 1994. Isotype, specificity, and kinetics of systemic and mucosal antibodies to *Campylobacter jejuni* antigens, including flagellin, during experimental oral infections of chickens. Avian Dis. 38: 341-349
- Cawthraw, S. A., Wassenaar, T. M., Ayling, R. und Newell, D. G. 1996. Increased colonization potential of *Campylobacter jejuni* strain 81116 after passage through chickens and its implication on the rate of transmission within flocks. Epidemiol. Infect. 117: 213-215
- Chan, K. F., Le Tran, H., Kanenaka, R. Y. und Kathariou, S. 2001. Survival of clinical and poultry-derived isolates of *Campylobacter jejuni* at a low temperature (4°C). Appl. Environ. Microbiol. 67: 4186-4191
- Chantarapanont, W., Berrang, M. und Frank, J. F. 2003. Direct microscopic observation and viability determination of *Campylobacter jejuni* on chicken skin. J. Food Protect. 66: 2222-2230
- Christopher, F. M., Smith, G. C. und Vanderzant, C. 1982. Effect of temperature and pH

on the survival of *Campylobacter fetus*. J. Food Protect. 45: 253-259

Cogan, T. A., Bloomfield, S. F. und Humphrey, T. J. 1999. The effectiveness of hygiene procedures for prevention of cross-contamination from chicken carcasses in the domestic kitchen. Lett. Appl. Microbiol. 29: 354-358

Cogan, T. A., Slader, J., Bloomfield, S. F. und Humphrey, T. J. 2002. Achieving hygiene in the domestic kitchen: the effectiveness of commonly used cleaning procedures. J. Appl. Microbiol. 92: 885-892

Coker, A. O., Isokpehi, R. D., Thomas, B. N., Amisu, K. O. und Obi, C. L. 2002. Human Campylobacteriosis in developing countries. Emerg. Infect. Dis. 8: 237-243

Corry, J. E. L., Post, D. E., Colin, P. und Laisney, M. J. 1995. Culture media for the isolation of campylobacters. Int. J. Food Microbiol. 26: 43-76

Crushell, E., Harty, S., Sharif, F. und Bourke, B. 2004. Enteric *Campylobacter*: Purging its secrets? Pediatr Res 55: 3-12

De Man, J. C. 1983. MPN tables, corrected. Eur. J. Appl. Microbiol. 17: 301-305

De Mol, P. und Bosmans, E. 1978. *Campylobacter enteritis* in Central Africa. Lancet I, 8064, 604 (Letter)

De Mol, P., Brasseur, D., Hemelhof, W., Kalala, T., Butzler, J. P. und Vis, H. L. 1983. Enteropathogenic agents in children with diarrhoea in rural Zaire. Lancet 1: 516-518

De Wit, M. A. S., Koopmans, M. P. G., Kortbeek, L. M., van Leeuwen, N. J., Vinje, J. und van Duynhoven, Y. T. H. P. 2001. Etiology of gastroenteritis in sentinel general practices in the Netherlands. Clin. Infect. Dis. 33: 280-288

De Boer, E. und Hahne, M. 1990. Cross-contamination with *Campylobacter jejuni* and *Salmonella* spp. from raw chicken products during food preparation. J. Food Protect. 53: 1067-1068

Dekeyser, P., Gossuin-Detrain, N., Butzler, J. P. und Sternon, J. 1972. Acute enteritis due to related vibrio: first positive stool cultures. J. Infect. Dis. 125: 390-392

Deming, M. S., Tauxe, R. V., Blake, P. A., Dixon, S. E., Fowler, B. S., Jones, T. S., Lockamy, E. A., Patton, C. M. und Sikes, R. O. 1987. *Campylobacter enteritis* at a university - transmission from eating chicken and from cats. Am. J. Epidemiol. 126: 526-534

Diker, K. S., Hascelik, G. und Akan, M. 1992. Reversible expression of flagella in *Campylobacter* spp. Fems Microbiol. Lett. 99: 261-264

Dominguez, C., Gomez, I. und Zumalacarregui, J. 2002. Prevalence of *Salmonella* and *Campylobacter* in retail chicken meat in Spain. Int. J. Food Microbiol. 72: 165-168

Doyle, L. P. 1944. A vibrio associated with swine dysentery. Am. J. Vet. Res. 5: 3-5

Doyle, M. P. und Roman, D. J. 1981. Growth and survival of *Campylobacter fetus* subsp. *jejuni* as a function of temperature and pH. J. Food Protect. 44: 596-601

Doyle, M. P. und Roman, D. J. 1982. Sensitivity of *Campylobacter jejuni* to drying. J. Food Protect. 45: 507-510

Doyle, M. P. 1984. Association of *Campylobacter jejuni* with laying hens and eggs. Appl. Environ. Microbiol. 47: 533-536

Dufrenne, J., Ritmeester, W., Delfgou-van Asch, E., van Leusden, F. und de Jonge, R. 2001. Quantification of the contamination of chicken and chicken products in the Netherlands with *Salmonella* and *Campylobacter*. J. Food Protect. 64: 538-541

Eberhart-Phillips, J., Walker, N., Garrett, N., Bell, D., Sinclair, D., Rainger, W. und Bates, M. 1997. Campylobacteriosis in New Zealand: results of a case-control study. J. Epidemiol. Community Health 51: 686-691

Endtz, H. P., Ruijs, G. J., Van Klinger, B., Jansen, W. H., Van der Reyden, T. und Mouton, R. P. 1991. Quinolone resistance in *Campylobacter* isolated from man and poultry following the introduction of fluoroquinolones in veterinary medicine. J. Antimicrob. Chemother. 27: 199-208

Engberg, J., Gerner-Smidt, P., Scheutz, F., Moller, N. E., On, S. L. und Molbak, K. 1998. Waterborne *Campylobacter jejuni* infection in a Danish town -a six week continuous source outbreak. Clin. Microbiol. Infect. 4: 648-656

Engvall, A., Bergqvist, A., Sandstedt, K. und Danielsson-Tham, M. L. 1986. Colonization of broilers with *Campylobacter* in conventional broiler-chicken flocks. *Acta Vet. Scand.* 27: 540-547

Escherich, T. 1886. Beiträge zur Kenntnis von Darmbakterien. II. *Vibrio felineus*. *Münch. Med. Wschr.* 33: 759-763

Evans, S. J. und Sayers, A. R. 2000. A longitudinal study of *Campylobacter* infection of broiler flocks in Great Britain. *Prev. Vet. Med.* 46: 209-223

Everest, P. H., Goossens, H., Butzler, J. P., Lloyd, D., Knutton, S., Ketley, J. M. und Williams, P. H. 1992. Differentiated caco-2 cells as a model for enteric invasion by *Campylobacter jejuni* and *Campylobacter coli*. *J. Med. Microbiol.* 37: 319-325

Eyigor, A., Dawson, K. A., Langlois, B. E. und Pickett, C. L. 1999. Detection of cytolethal distending toxin activity and cdt genes in *Campylobacter* spp. isolated from chicken carcasses. *Appl. Environ. Microbiol.* 65: 1501-1505

FAO/WHO 2002. Risk assessment of *Campylobacter* spp. in broiler chickens and *Vibrio* spp. in seafood. Report of a Joint FAO/WHO Expert consultation

Federighi, M., Magras, C., Pilet, M. F., Woodward, D., Johnson, W., Jugiau, F. und Jouve, J. L. 1999. Incidence of thermotolerant *Campylobacter* in foods assessed by NF ISO 10272 standard: results of a two year study. *Food Microbiol.* 16: 195-204

Fehlhaber, K. 2003. Microbial risks - from animal farming to the food. *Dtsch. Tierärztl. Wochenschr.* 110: 312-315

Fernandez, H., Vergara, M. und Tapia, F. 1985. Dessication resistance in thermotolerant *Campylobacter* species. *Infection* 13: 197

Fernandez, H. und Pison, V. 1996. Isolation of thermotolerant species of *Campylobacter* from commercial chicken livers. *Int. J. Food Microbiol.* 29: 75-80

Fernie, D. S. und Park, R. W. 1977. The isolation and nature of *Campylobacters* (microaerophilic vibrios) from laboratory and wild rodents. *J. Med. Microbiol.* 10: 325-329

Field, L. H., Headley, V. L., Payne, S. M. und Berry, L. J. 1986. Influence of iron on growth,

morphology, outer-membrane protein-composition, and synthesis of siderophores in *Campylobacter jejuni*. Infect. Immun. 54: 126-132

Figura, N. und Guglielmetti, P. 1988. Clinical characteristics of *Campylobacter jejuni* and *Campylobacter coli* enteritis. Lancet 1: 942-943

Fletcher, R. D., Albers, A. C., Chen, A. K. und Albertson, J. N. 1983. Ascorbic-acid inhibition of *Campylobacter jejuni* growth. Appl. Environ. Microbiol. 45: 792-795

Franco, D. A. 1988. *Campylobacter* species - considerations for controlling a foodborne pathogen. J. Food Protect. 51: 145-153

Friedmann, C. R., Neimann, J., Wegener, H. C. und Tauxe, R. V. 2000. Epidemiology of *Campylobacter jejuni* infections in the United States and other industrialized nations. In: Nachamkin, I. und Blaser, M. J. (Hrsg.): *Campylobacter*. Am. Society for Microbiol., Washington, D:C:, 121-128

Friedman, C. R., Hoekstra, R. M., Samuel, M., Marcus, R., Bender, J., Shiferaw, B., Reddy, S., Ahuja, S. D., Helfrick, D. L., Hardnett, F., Carter, M., Anderson, B. und Tauxe, R. V. 2004. Risk factors for sporadic *Campylobacter* infection in the United States: A case-control study in FoodNet sites. Clin. Infect. Dis. 38 Suppl 3: 285-296

Frost, J. A., Oza, A. N., Thwaites, R. T. und Rowe, B. 1998. Serotyping scheme for *Campylobacter jejuni* and *Campylobacter coli* based on direct agglutination of heat-stable antigens. J. Clin. Microbiol. 36: 335-339

Garrity, G. M., Johnson, K. L., Bell, J. und Searles, D. B. 2002. Taxonomic outline of the Bergey's Manual® of Systematic Bacteriology, 2nd edition, www.bergeysoutline.com, 121-123

Geilhausen, B., Koenen, R. und Mauff, G. 1995. Antimicrobial sensitivity of *Campylobacter* isolates. In: Newell, D. G., Ketley, J., Feldmann, R. A (Hrsg.): Abstracts 8th International Workshop on *Campylobacters, Helicobacters* and related organisms; Winchester, UK, 10-13

Geilhausen, B., Schutt-Gerowitt, H., Aleksic, S., Koenen, R., Mauff, G. und Pulverer, G. 1996. *Campylobacter* and *Salmonella* contaminating fresh chicken meat. Zbl. Bakt. 284:

Genigeorgis, C., Hassuneh, M. und Collins, P. 1986. *Campylobacter jejuni* infection on poultry farms und its effect on poultry meat contamination during slaughtering. J. Food Protect. 49: 895-903

Gill, C. O. und Harris, L. M. 1982. Survival and growth of *Campylobacter fetus* subsp. *jejuni* on meat and in cooked foods. Appl. Environ. Microbiol. 44: 259-263

Gill, C. O. und Harris, L. M. 1983. Limiting conditions of temperature and pH for growth of "thermophilic" *Campylobacters* on solid media. J. Food Protect. 46: 767-768

Gill, C. O. und Harris, L. M. 1984. Hamburgers and broiler-chickens as potential sources of human *Campylobacter* enteritis. J. Food Protect. 47: 96-99

Gill, C. O. und Jones, T. 2000. Microbiological sampling of carcasses by excision or swabbing. J. Food Protect. 62: 167-173

Gill, C. O., Badoni M., Moza, L. F., Barbut, S., Griffiths, M. W. 2005. Microbiological sampling of poultry carcass portions by excision, rinsing, or swabbing. J. Food Protect. 68: 2718-2720

Gonzalez, I., Grant, K. A., Richardson, P. T., Park, S. F. und Collins, M. D. 1997. Specific identification of the enteropathogens *Campylobacter jejuni* and *Campylobacter coli* by using a PCR test based on the ceuE gene encoding a putative virulence determinant. J. Clin. Microbiol. 35: 759-763

Goodwin, C. S., Armstrong, J. A., Chilvers, T., Peters, M., Collins, M. D., Sly, L., Mcconnell, W. und Harper, W. E. S. 1989. Transfer of *Campylobacter pylori* and *Campylobacter mustelae* to *Helicobacter* gen. nov. as *Helicobacter pylori* comb. nov. and *Helicobacter mustelae* comb. nov., respectively. Int. J. Syst. Bacteriol. 39: 397-405

Goossens, H., Kremp, L., Boury, R., Vlaes, L., Vandenborre, C., Henocque, G., Rocque, J., Alanio, G., Hemelhof, W., Macart, M. und Butzler, J. P. 1986. Nosocomial outbreak of *Campylobacter jejuni* meninigitis in newborn-infants. Lancet 2: 146-149

Goossens, H. und Butzler, J. P. 1991. Isolation of *Campylobacter* spp. from stool specimens with a semisolid medium. J. Clin. Microbiol. 29: 2681-2682

Gorman, R., Bloomfield, S. und Adley, C. C. 2002. A study of cross-contamination of food-borne pathogens in the domestic kitchen in the Republic of Ireland. Int. J. Food Microbiol. 76: 143-150

Grajewski, B. A., Kusek, J. W. und Gelfand, H. M. 1985. Development of a bacteriophage typing system for *Campylobacter jejuni* and *Campylobacter coli*. J. Clin. Microbiol. 22: 13-18

Grant, K. A. und Park, S. F. 1995. Molecular characterization of *katA* from *Campylobacter jejuni* and generation of a catalase-deficient mutant of *Campylobacter coli* by interspecific allelic exchange. Microbiology 141: 1369-1376

Graves, T. K., Bradley, K. K. und Crutcher, J. M. 1998. Outbreak of *Campylobacter* enteritis associated with cross-contamination of food - Oklahoma 1996. Morb. Mortal. Wkly. Rep. 47: 129-130

Gregory, N. G. und Wilkins, L. J. 1989. Effect of stunning current on carcase quality in chickens. Vet. Rec. 124: 530-532

Gregory, E., Barnhart, H., Dreesen, D. W., Stern, N. J. und Corn, J. L. 1997. Epidemiological study of *Campylobacter* spp. in broilers: source, time of colonization, and prevalence. Avian Dis. 41: 890-898

Griffiths, P. L. und Park, R. W. 1990. *Campylobacters* associated with human diarrhoeal disease. J. Appl. Bacteriol. 69: 281-301

Guerry, P., Alm, R. A., Power, M. E., Logan, S. M. und Trust, T. J. 1991. Role of two flagellin genes in *Campylobacter* motility. J. Bacteriol. 173: 4757-4764

Gun-Munro, J., Rennie, R. P., Thornley, J. H., Richardson, H. L., Hodge, D. und Lynch, J. 1987. Laboratory and clinical evaluation of isolation media for *Campylobacter jejuni*. J. Clin. Microbiol. 25: 2274-2277

Hänninen, M. L. 1981. Survival of *Campylobacter jejuni/coli* in ground refrigerated and in ground frozen beef liver and in frozen broiler carcasses. Acta Vet. Scand. 22: 566-577

Hänninen, M. L. 1982. Characterization of *Campylobacter jejuni/coli* isolated from different sources. Acta Vet. Scand 23: 88-98

Hänninen, M. L., Korkeala, H. und Pakkala, P. 1984. Effect of various gas atmospheres on the growth and survival of *Campylobacter jejuni* on beef. J. Appl. Bacteriol. 57: 89-94

Hariharan, H., Wright, T. und Long, J. R. 1990. Isolation and antimicrobial susceptibility of *Campylobacter coli* and *Campylobacter jejuni* from slaughter hogs. Microbiologica 13: 1-6

Harris, N. V., Weiss, N. S. und Nolan, C. M. 1986. The role of poultry and meats in the etiology of *Campylobacter jejuni/coli* enteritis. Am. J. Public Health 76: 407-411

Harris, L. A., Logan, S. M., Guerry, P. und Trust, T. J. 1987. Antigenic variation of *Campylobacter* flagella. J. Bacteriol. 169: 5066-5071

Harrison, W. A., Griffith, C. J., Tennant, D. und Peters, A. C. 2001. Incidence of *Campylobacter* and *Salmonella* isolated from retail chicken and associated packaging in South Wales. Lett. Appl. Microbiol. 33: 450-454

Harvey, P., Battle, T. und Leach, S. 1999. Different invasion phenotypes of *Campylobacter* isolates in caco-2 cell monolayers. J. Med. Microbiol. 48: 461-469

Hazeleger, W. C., Wouters, J. A., Rombouts, F. M. und Abbe, T. 1998. Physiological activity of *Campylobacter jejuni* far below the minimal growth temperature. Appl. Environ. Microbiol. 64: 3917-3922

Hickey, T. E., Baqar, S., Bourgeois, A. L., Ewing, C. P. und Guerry, P. 1999. *Campylobacter jejuni*-stimulated secretion of interleukin-8 by INT 407 cells. Infect. Immun. 67: 88-93

Hiett, K. L., Stern, N. J., Fedorka-Cray, P., Cox, N. A., Musgrove, M. T. und Ladely, S. 2002. Molecular subtype analyses of *Campylobacter* spp. from Arkansas and California poultry operations. Appl. Environ. Microbiol. 68: 6220-6236

Hildebrandt, G. und Arndt, G. 1982. Die MPN-Schätzung in Theorie und Praxis. Fleischwirtsch. 62 (3): 357-363, 62 (4): 517-519

Hildebrandt, G. und Schott, W. 2001. Comparison of direct colony count methods and the MPN-method for quantitative detection of Listeria in model and field conditions. Berl Münch. Tierärztl. Wochenschr. 114: 453-464

Hodge, J. P. und Krieg, N. R. 1994. Oxygen tolerance estimates in *Campylobacter* species depend on the testing medium. *J. Appl. Bacteriol.* 77: 666-673

Holländer, R. 1984. Characterization of *Campylobacter jejuni/coli*-isolates from human feces. *Zbl. Bakt.* 258: 128-134

Höller, C., Witthuhn, D. und Janzen-Blunck, B. 1998. Effect of low temperatures on growth, structure, and metabolism of *Campylobacter coli* SP10. *Appl. Environ. Microbiol.* 64: 581-587

Hood, A. M., Pearson, A. D. Shahamat, M. 1988. The extent of surface contamination of retailed chickens with *Campylobacter jejuni* serogroups. *Epidemiol. Infect.* 100: 17-25

Hoorfar, J., Nielsen, E. M., Stryhn, H. und Andersen, S. 1999. Evaluation of two automated enzyme-immunoassays for detection of thermophilic *Campylobacters* in faecal samples from cattle and swine. *J. Microbiol. Methods* 38: 101-106

Hopkins, R. S. und Scott, A. S. 1983. Handling raw chicken as a source for sporadic *Campylobacter jejuni* infections. *J. Infect. Dis.* 148: 770

Hugdahl, M. B., Beery, J. T. und Doyle, M. P. 1988. Chemotactic behavior of *Campylobacter jejuni*. *Infect. Immun.* 56: 1560-1566

Humphrey, T. J. und Lanning, D. G. 1987. *Salmonella* and *Campylobacter* contamination of broiler chicken carcasses and scald tank water: the influence of water pH. *J. Appl. Bacteriol.* 63: 21-25

Humphrey, T. J., Henley, A. und Lanning, D. G. 1993. The Colonization of broiler-chickens with *Campylobacter jejuni* - some epidemiologic investigations. *Epidemiol. Infect.* 110: 601-607

Hunt, J. M., Abeyta, C. und Tran, T. 2001. *Campylobacter*. In: U.S. Food & Drug Administration Bacteriological Analytical Manual. AOAC, Arlington, VA, 7th edition, 77-94

Huysmans, M. B., Turnidge, J. D. und Williams, J. H. 1995. Evaluation of API Campy in comparison with conventional methods for identification of thermophilic *Campylobacters*. *J. Clin. Microbiol.* 33: 3345-3346

Izat, A. L., Gardner, F. A., Denton, J. H. und Golan, F. A. 1988. Incidence and level of *Campylobacter jejuni* in broiler processing. Poult. Sci. 67: 1568-1572

Izat, A. L., Yamaguchi, W., Kaniawati, S., McGinnis, J. P., Raymond, S. G., Hierholzer, R. E., Kopek, J. M. und Mauromoustakos, A. 1991. Research note: use of consecutive carcass rinses and a most probable number procedure to estimate *salmonellae* contamination of inoculated broilers. Poult. Sci. 70: 1448-1451

Jacobs-Reitsma, W. F., Bolder, N. M. und Mulder, R. W. 1994a. Cecal carriage of *Campylobacter* and *Salmonella* in Dutch broiler flocks at slaughter: a one-year study. Poult. Sci. 73: 1260-1266

Jacobs-Reitsma, W. F., Kan, C. A. und Bolder, N. M. 1994b. The induction of quinolone resistance in *Campylobacter* bacteria in broilers by quinolone treatment. Lett. Appl. Microbiol. 19: 228-231

Jacobs-Reitsma, W. F. 1995. *Campylobacter* bacteria in breeder flocks. Avian Dis. 39: 355-359

Jacobs-Reitsma, W. F., van de Giessen, A. W., Bolder, N. M. und Mulder, R. W. 1995. Epidemiology of *Campylobacter* spp. at two Dutch broiler farms. Epidemiol. Infect. 114: 413-421

Jacobs-Reitsma, W. F. 2000. *Campylobacter* in the food supply. In: Nachamkin, I. und Blaser, M. J. (Hrsg.): *Campylobacter*. Am Society for Microbiol., Washington, D. C., 2nd edition, 467-481

Jones, F. S., Orcutt, M. und Little, R:B. 1931. Vibrios (*Vibrio jejuni* n. sp.) associated with intestinal disorders of cows ans calves. J. Exp. Med. 53: 853-863

Jones, D. M., Sutcliffe, E. M. und Curry, A. 1991a. Recovery of viable but non-culturable *Campylobacter jejuni*. J. General Microbiol. 137: 2477-2482

Jones, F. T., Axtell, R. C., Rives, D. V., Scheideler, S. E., Tarver, F. R., Walker, R. L. und Wineland, M. J. 1991b. A survey of *Campylobacter jejuni* contamination in modern broiler production and processing systems. J. Food Protect. 54: 259-262

Jones, D. M., Sutcliffe, E. M., Rios, R., Fox, A. J. und Curry, A. 1993. *Campylobacter jejuni*
108

adapts to aerobic metabolism in the environment. J. Med. Microbiol. 38: 145-150

Jorgensen, F., Bailey, R., Williams, S., Henderson, P., Wareing, D. R., Bolton, F. J., Frost, J. A., Ward, L. und Humphrey, T. J. 2002. Prevalence and numbers of *Salmonella* and *Campylobacter* spp. on raw, whole chickens in relation to sampling methods. Int. J. Food Microbiol. 76: 151-164

Josefsen, M. H., Lubeck, P. S., Aalbaek, B. und Hoorfar, J. 2003. Preston and Park-Sanders protocols adapted for semi-quantitative isolation of thermotolerant *Campylobacter* from chicken rinse. Int. J. Food Microbiol. 80: 177-183

Juven, B. J. und Kanner, J. 1986. Effect of ascorbic, isoascorbic and dehydroascorbic acids on the growth and survival of *Campylobacter jejuni*. J. Appl. Bacteriol. 61: 339-345

Kaino, K., Hayashidani, H., Kaneko, K. und Ogawa, M. 1988. Intestinal colonization of *Campylobacter jejuni* in chickens. Jpn. J. Vet. Sci. 50: 489-494

Kaneuchi, C., Ashihara, M., Sugiyama, Y. und Imaizumi, T. 1988. Antimicrobial susceptibility of *Campylobacter jejuni*, *Campylobacter coli*, and *Campylobacter laridis* from cats, dogs, pigs, and seagulls. Jpn. J. Vet. Sci. 50: 685-691

Kapperud, G., Skjerve, E., Bean, N. H., Ostroff, S. M. und Lassen, J. 1992. Risk factors for sporadic *Campylobacter* infections - results of a case-control study in southeastern Norway. J. Clin. Microbiol. 30: 3117-3121

Kapperud, G., Espeland, G., Wahl, E., Walde, A., Herikstad, H., Gustavsen, S., Tveit, I., Natas, O., Bevanger, L. und Digranes, A. 2003. Factors associated with increased and decreased risk of *Campylobacter* infection: a prospective case-control study in Norway. Am. J. Epidemiol. 158: 234-242

Karmali, M. A. und Fleming, P. C. 1979. *Campylobacter enteritis*. Can. Med. Assoc. J. 120: 1525-1532

Karmali, M. A., Allen, A. K. und Fleming, P. C. 1981. Differentiation of catalase-positive *Campylobacters* with special reference to morphology. Int. J. Syst. Bacteriol. 31: 64-71

Karmali, M. A., Simor, A. E., Roscoe, M., Fleming, P. C., Smith, S. S. und Lane, J. 1986. Evaluation of a blood-free, charcoal-based, selective medium for the isolation of

Campylobacter organisms from feces. J. Clin. Microbiol. 23: 456-459

Kazwala, R. R., Collins, J. D., Hannan, J., Crinion, R. A. P. und Omahony, H. 1990. Factors responsible for the introduction and spread of *Campylobacter jejuni* infection in commercial poultry production. Veterinary Rec. 126: 305-306

Ketley, J. M. 1997. Pathogenesis of enteric infection by *Campylobacter*. Microbiology 143: 5-21

Khakhria, R. und Lior, H. 1992. Extended phage-typing scheme for *Campylobacter jejuni* and *Campylobacter coli*. Epidemiol. Infect. 108: 403-414

Kiehlbauch, J. A., Albach, R. A., Baum, L. L. und Chang, K. P. 1985. Phagocytosis of *Campylobacter jejuni* and its intracellular survival in mononuclear phagocytes. Infect. Immun. 48: 446-451

Kinde, H., Genigeorgis, C. A. und Pappaioanou, M. 1983. Prevalence of *Campylobacter jejuni* in chicken wings. Appl. Environ. Microbiol. 45: 1116-1118

King, E. O. 1957. Human infections with *Vibrio fetus* and a closely related vibrio. J. Infect. Dis. 101. 119-128

Kist, M. und Bereswill, S. 2001. *Campylobacter jejuni*. Contrib. Microbiol. 8: 150-165

Kist, M. 2002. Lebensmittelbedingte Infektionen durch *Campylobacter*. Bundesgesundheitsbl. Gesundheitsforsch. Gesundheitsschutz: 45: 497-506

Koidis, P. und Doyle, M. P. 1983. Survival of *Campylobacter jejuni* in fresh and heated red meat. J. Food Protect. 46: 771-774

Koidis, P. und Doyle, M. P. 1984. Procedure for increased recovery of *Campylobacter jejuni* from inoculated unpasteurized milk. Appl. Environ. Microbiol. 47: 455-460

Konkel, M. E., Garvis, S. G., Tipton, S. L., Anderson, D. E. und Cieplak, W. 1997. Identification and molecular cloning of a gene encoding a fibronectin-binding protein (CadF) from *Campylobacter jejuni*. Mol. Microbiol. 24: 953-963

Konkel, M. E., Gray, S. A., Kim, B. J., Garvis, S. G. und Yoon, J. 1999. Identification of the

enteropathogens *Campylobacter jejuni* and *Campylobacter coli* based on the cadF virulence gene and its product. J. Clin. Microbiol. 37: 510-517

Korolik, V., Moorthy, L. und Coloe, P. J. 1995. Differentiation of *Campylobacter jejuni* and *Campylobacter coli* strains by using restriction-endonuclease DNA profiles and DNA fragment polymorphisms. J. Clin. Microbiol. 33: 1136-1140

Kramer, J. M., Frost, J. A., Bolton, F. J. und Wareing, D. R. 2000. *Campylobacter* contamination of raw meat and poultry at retail sale: identification of multiple types and comparison with isolates from human infection. J. Food Protect. 63: 1654-1659

Kusumaningrum, H. D., van Asselt, E. D., Beumer, R. R. und Zwietering, M. H. 2004. A quantitative analysis of cross-contamination of *Salmonella* and *Campylobacter* spp. via domestic kitchen surfaces. J. Food Protect. 67: 1892-1903

Kwiatek, K., Wojton, B. und Stern, N. J. 1990. Prevalence and distribution of *Campylobacter* spp. on poultry and selected red meat carcasses in Poland. J. Food Protect. 53: 127-130

Lambert, J. D. und Maxcy, R. B. 1984. Effect of gamma-radiation on *Campylobacter jejuni*. J. Food Sci. 49: 665-667

Lee, A., Orourke, J. L., Barrington, P. J. und Trust, T. J. 1986. Mucus colonization as a determinant of pathogenicity in intestinal infection by *Campylobacter jejuni* - a mouse cecal model. Infect. Immun. 51: 536-546

Lee, A., Logan, S. M. und Trust, T. J. 1987. Demonstration of a flagellar antigen shared by a diverse group of spiral-shaped bacteria that colonize intestinal mucus. Infect. Immun. 55: 828-831

Lee, A., Smith, S. C. und Coloe, P. J. 1998. Survival and growth of *Campylobacter jejuni* after artificial inoculation onto chicken skin as a function of temperature and packaging conditions. J. Food Protect. 61: 1609-1614

Levy, A. J. 1946. A gastroenteritis outbreak probably due to a bovine strain of vibrio. Yale J. Biol. Med. 18: 243-258

Lillard, H. S. 1985. Bacterial-cell characteristics and conditions influencing their adhesion

to poultry skin. J. Food Prot. 48: 803-807

Lillard, H. S. 1988. Comparison of sampling methods and implications for bacterial decontamination of poultry carcasses by rinsing. J. Food Prot. 51: 405-408

Lindblom, G. B., Sjogren, E. und Kaijser, B. 1986. Natural *Campylobacter* colonization in chickens raised under different environmental conditions. J. Hyg. (Cambridge) 96: 385-391

Line, J. E., Stern, N. J., Lattuada, C. P. und Benson, S. T. 2001. Comparison of methods for recovery and enumeration of *Campylobacter* from freshly processed broilers. J. Food Protect. 64: 982-986

Linton, D., Lawson, A. J., Owen, R. J. und Stanley, J. 1997. PCR detection, identification to species level, and fingerprinting of *Campylobacter jejuni* and *Campylobacter coli* direct from diarrheic samples. J. Clin. Microbiol. 35: 2568-2572

Lior, H., Woodward, D. L., Edgar, J. A., Laroche, L. J. und Gill, P. 1982. Serotyping of *Campylobacter jejuni* by slide agglutination based on heat-labile antigenic factors. J. Clin. Microbiol. 15: 761-768

Lior, H. 1984. New, extended biotyping scheme for *Campylobacter jejuni*, *Campylobacter coli*, and *Campylobacter laridis*. J. Clin. Microbiol. 20: 636-640

Luber, P., Wagner, J., Hahn, H. und Bartelt, E. 2003. Antimicrobial resistance in *Campylobacter jejuni* in 1991 and 2001-2002 from poultry and humans in Berlin, Germany. Antimicrob. Agents. Ch. 47: 3825-3830

Luber, P., Scherer, K., Bartelt, E. 2005. Kontamination von Hähnchenfleisch mit *Campylobacter* spp. Fleischwirtsch. 85: 93-95

Luber, P., Brynestad, S., Topsch, D., Scherer, K. und Bartelt, E. 2006. Quantification of *Campylobacter* species cross-contamination during handling of contaminated fresh chicken parts in kitchens. Appl. Environ. Microbiol. 72: 66-70

Luechtfeld, N. W., Wang, W. L. L., Blaser, M. J. und Reller, L. B. 1981. Evaluation of transport and storage techniques for isolation of *Campylobacter fetus* subsp. *jejuni* from turkey cecal specimens. J. Clin. Microbiol. 13: 438-443

Madden, R. H., Moran, L. und Scates, P. 1998. Frequency of occurrence of *Campylobacter* spp. in red meats and poultry in Northern Ireland and their subsequent subtyping using polymerase chain reaction restriction fragment length polymorphism and the random amplified polymorphic DNA method. J. Appl. Microbiol. 84: 703-708

McCardell, B. A., Madden, J. M. und Lee, E. C. 1984. Production of cholera-like toxin by *Campylobacter jejuni/coli*. Lancet 1: 448-449

McEvoy, J. M., Nde, C. W., Sherwood, J. S. und Logue, C. M. 2005. An evaluation of sampling methods for the detection of *Escherichia coli* and *Salmonella* on turkey carcasses. J. Food Protect. 68: 34-29.

McFadyean, J. und Stockman, S. 1913. Report of the Departmental Committee appointed by the Board of Agriculture and Fisheries to enquire into epizootic abortion. His Majesty's Stationery Office (HMSO), London. Part III Abortion in sheep, 1-64

McKay, D., Fletcher, J., Cooper, P. und Thomson-Carter, F. M. 2001. Comparison of two methods for serotyping *Campylobacter* spp. J. Clin. Microbiol. 39: 1917-1921

McMeekin, T. A. und Thomas, C. J. 1978. Retention of bacteria on chicken skin after immersion in bacterial suspensions. J. Appl. Bacteriol. 45: 383-387

McMeekin, T. A., Thomas, C. J. und Pennington, P. I. 1984. Contamination and decontamination of poultry carcass neck tissue. J. Food Safety 6: 79-88

McNamara, A. M. 1994. The microbiologica division's perspective on *Listeria monocytogenes*, *Escherichia coli* 0157:H7 and *Campylobacter jejuni/coli*. Daily Food Environment. Sanit. 14:250-261

McSweeney, E. und Walker, R. I. 1986. Identification and characterization of two *Campylobacter jejuni* adhesins for cellular and mucous substrates. Infect. Immun. 53: 141-148

Mead, G. C., Hudson, W. R. und Hinton, M. H. 1995. Effect of changes in processing to improve hygiene control on contamination of poultry carcasses with *Campylobacter*. Epidemiol. Infect. 115: 495-500

Mead, P. S., Slutsker, L., Dietz, V., McCaig, L. F., Bresee, J. S., Shapiro, C., Griffin, P. M.

und Tauxe, R. V. 1999. Food-related illness and death in the United States. *Emerg. Infect. Dis.* 5: 607-625

Medema, G. J., Schets, F. M., Vandegiessen, A. W. und Havelaar, A. H. 1992. Lack of colonization of 1-day-old chicks by viable, non-culturable *Campylobacter jejuni*. *J. Appl. Bacteriol.* 72: 512-516

Melby, K., Dahl, O. P., Crisp, L. und Penner, J. L. 1990. Clinical and serological manifestations in patients during a waterborne epidemic due to *Campylobacter jejuni*. *J. Infection* 21: 309-316

Meldrum, R. J., Tucker, D. und Edwards, C. 2004. Baseline rates of *Campylobacter* und *Salmonella* in raw chicken in Wales, United Kingdom, in 2002. *J. Food Protect.* 67: 1226-1228

Mengert, U. und Fehlhaber, K. 1996. Effect of premortal stress on the endogenous microbial contamination of broiler carcasses. *Berl. Münch. Tierärztl. Wochenschr.* 109: 28-31

Mills, S. D., Kuzniar, B., Shames, B., Kurjanczyk, L. A. und Penner, J. L. 1992. Variation of the O-Antigen of *Campylobacter jejuni* invivo. *J. Med. Microbiol.* 36: 215-219

Moore, J. E., Wilson, T. S., Wareing, D. R., Humphrey, T. J. und Murphy, P. G. 2002. Prevalence of thermophilic *Campylobacter* spp. in ready-to-eat foods and raw poultry in Northern Ireland. *J. Food Protect.* 65: 1326-1328

Moore, J. E., Corcoran, D., Dooley, J. S., Fanning, S., Lucey, B., Matsuda, M., McDowell, D. A., Megraud, F., Millar, B. C., O'Mahony, R., O'Riordan, L., O'Rourke, M., Rao, J. R., Rooney, P. J., Sails, A. und Whyte, P. 2005. *Campylobacter*. *Vet. Res.* 36: 351-382

Moorhead, S. M. und Dykes, G. A. 2002. Survival of *Campylobacter jejuni* on beef trimmings during freezing and frozen storage. *Lett. Appl. Microbiol.* 34: 72-76

Moran, A. P. und Upton, M. E. 1987. Factors affecting production of coccoid forms by *Campylobacter jejuni* on solid media during incubation. *J. Appl. Bacteriol.* 62: 527-537

Morooka, T., Umeda, A. und Amako, K. 1985. Motility as an intestinal colonization factor for *Campylobacter jejuni*. *J. Gen. Microbiol.* 131: 1973-1980

Musgrove, M. T., Cox, N. A., Berrang, M. E. und Harrison, M. A. 2003. Comparison of weep and carcass rinses for recovery of *Campylobacter* from retail broiler carcasses. J. Food Protect. 66: 1720-1723

Nachamkin, I. 1999. *Campylobacter* und *Arcobacter*, In: Murray, P. R., Baron, E. J., Pfaller, M. A., Tenover, F. C. und Yolken, R. H. (Hrsg.): Manual of Clinical Microbiology. Am. Society for Microbiol., Washington, D. C., 7th edition, 716-726

Nachamkin, I., Engberg, J. und Aarestrup, F. M. 2000. Diagnosis and antimicrobial susceptibility of *Campylobacter* species. In: Nachamkin, I. und Blaser, M. J. (Hrsg.): *Campylobacter*. Am. Society for Microbiol., Washington, D. C., 2nd edition, 45-66

Nachamkin, I. 2002. Chronic effects of *Campylobacter* infection. Microbes Infect. 4: 399-403

Nadeau, R., Messier, S. und Quessy, S. 2002. Prevalence and comparison of genetic profiles of *Campylobacter* strains isolated from poultry and sporadic cases of Campylobacteriosis in humans. J. Food Protect. 65: 73-78

Nannapaneni, R., Story, R., Wiggins, K. C. und Johnson, M. G. 2005. Concurrent quantitation of total *Campylobacter* and total ciprofloxacin-resistant *Campylobacter* loads in rinses from retail raw chicken carcasses from 2001 to 2003 by direct plating at 42 degrees C. Appl. Environ. Microbiol. 71: 4510-4515

Neal, K. R. und Slack, R. C. B. 1995. The autumn peak in *Campylobacter* gastroenteritis - are the risk factors the same for travel-acquired and UK-acquired *Campylobacter* infections. J. Public Health Med. 17: 98-102

Neill, S. D., Campbell, J. N. und Obrien, J. J. 1985. Egg penetration by *Campylobacter jejuni*. Avian Pathol. 14: 313-&

Neimann, J., Engberg, J., Molbak, K. und Wegener, H. C. 2003. A case-control study of risk factors for sporadic *Campylobacter* infections in Denmark. Epidemiol. Infect. 130: 353-366

Newell, D. G., Shreeve, J. E., Toszeghy, M., Domingue, G., Bull, S., Humphrey, T. und Mead, G. 2001. Changes in the carriage of *Campylobacter* strains by poultry carcasses

- during processing in abattoirs. *Appl. Environ. Microbiol.* 67: 2636-2640
- Newell, D. G. und Fearnley, C. 2003. Sources of *Campylobacter* colonization in broiler chickens. *Appl. Environ. Microbiol.* 69: 4343-4351
- Nielsen, E. M., Engberg, J. und Madsen, M. 1997. Distribution of serotypes of *Campylobacter jejuni* and *Campylobacter coli* from Danish patients, poultry, cattle and swine. *Fems Immunol. Med. Mic.* 19: 47-56
- Nielsen, E. M. und Nielsen, N. L. 1999. Serotypes and typability of *Campylobacter jejuni* and *Campylobacter coli* isolated from poultry products. *Int. J. Food Microbiol.* 46: 199-205
- Nishimura, M., Nukina, M., Yuan, J. M., Shen, B. Q., Ma, J. J., Ohta, M., Saida, T. und Uchiyama, T. 1996. PCR-based restriction fragment length polymorphism (RFLP) analysis and serotyping of *Campylobacter jejuni* isolates from diarrheic patients in China and Japan. *FEMS Microbiol Lett.* 142: 133-138
- Norkrans, G. und Svedhem, A. 1982. Epidemiological aspects of *Campylobacter jejuni* enteritis. *J. Hyg. (Cambridge)* 89: 163-170
- Northcutt, J. K., Berrang, M. E., Dickens, J. A., Fletcher, D. L. und Cox, N. A. 2003. Effect of broiler age, feed withdrawal, and transportation on levels of coliforms, *Campylobacter*, *Escherichia coli* and *Salmonella* on carcasses before and after immersion chilling. *Poult. Sci.* 82: 169-173
- Notermans, S. und Kampelmacher, E. H. 1974. Attachment of some bacterial strains to the skin of broiler chickens. *Br. Poult. Sci.* 15: 573-585
- Nuijten, P. J., van Asten, F. J., Gaastra, W. und van der Zeijst, B. A. 1990. Structural and functional analysis of two *Campylobacter jejuni* flagellin genes. *J. Biol. Chem.* 265: 17798-17804
- Obiri-Danso, K., Paul, N. und Jones, K. 2001. The effects of UVB and temperature on the survival of natural populations and pure cultures of *Campylobacter jejuni*, *Campylobacter coli*, *Campylobacter lari* and urease-positive thermophilic *Campylobacters* (UPTC) in surface waters. *J. Appl. Microbiol.* 90: 256-267
- On, S. L. W. 2001. Taxonomy of *Campylobacter*, *Arcobacter*, *Helicobacter* and related

bacteria: current status, future prospects and immediate concerns. J. Appl. Microbiol. 90: 1-15

Oosterom, J., Denuyl, C. H., Banffer, J. R. J. und Huisman, J. 1984. Epidemiological investigations on *Campylobacter jejuni* in households with a primary infection. J. Hyg. (Cambridge) 93: 325-332

Oyarzabal, O. A., Macklin, K. S., Barbaree, J. M. und Miller, R. S. 2005. Evaluation of agar plates for direct enumeration of *Campylobacter* spp. from poultry carcass rinses. Appl. Environ. Microbiol. 71: 3351-3354

Oyofo, B. A., Thornton, S. A., Burr, D. H., Trust, T. J., Pavlovskis, O. R. und Guerry, P. 1992. Specific detection of *Campylobacter jejuni* and *Campylobacter coli* by using polymerase chain-reaction. J. Clin. Microbiol. 30: 2613-2619

Park, S. F. 2002. The physiology of *Campylobacter* species and its relevance to their role as foodborne pathogens. Int. J. Food Microbiol. 74: 177-188

Parkhill, J., Wren, B. W., Mungall, K., Ketley, J. M., Churcher, C., Basham, D., Chillingworth, T., Davies, R. M., Feltwell, T., Holroyd, S., Jagels, K., Karlyshev, A. V., Moule, S., Pallen, M. J., Penn, C. W., Quail, M. A., Rajandream, M. A., Rutherford, K. M., van Vliet, A. H., Whitehead, S. und Barrell, B. G. 2000. The genome sequence of the food-borne pathogen *Campylobacter jejuni* reveals hypervariable sequences. Nature 403: 665-668

Patrick, M. E., Christiansen, L. E., Waino, M., Ethelberg, S., Madsen, H. und Wegener, H. C. 2004. Effects of climate on incidence of *Campylobacter* spp. in humans and prevalence in broiler flocks in Denmark. Appl. Environ. Microbiol. 70: 7474-7480

Patton, C. M., Wachsmuth, I. K., Evins, G. M., Kiehlbauch, J. A., Plikaytis, B. D., Troup, N., Tompkins, L. und Lior, H. 1991. Evaluation of ten methods to distinguish epidemic-associated *Campylobacter* strains. J. Clin. Microbiol. 29: 680-688

Pearson, A. D., Greenwood, M., Healing, T. D., Rollins, D., Shahamat, M., Donaldson, J. und Colwell, R. R. 1993. Colonization of broiler-chickens by waterborne *Campylobacter jejuni*. Appl. Environ. Microbiol. 59: 987-996

Peeler, J. T., Houghtby, G. A. und Rainosek, A. P. 1992. The most probable number technique. In: Vanderzant, C. und Splitstoesser, D. F. (Hrsg.): Compendium of methods for the microbiological examination of foods. American Public Health Association, Washington, DC, 3rd edition, 105-120

Pei, Z. H., Burucoa, C., Grignon, B., Baqar, S., Huang, X. Z., Kopecko, D. J., Bourgeois, A. L., Fauchere, J. L. und Blaser, M. J. 1998. Mutation in the peb 1A locus of *Campylobacter jejuni* reduces interactions with epithelial cells and intestinal colonization of mice. Infect. Immun. 66: 938-943

Penn, C. W. 2001. Surface components of *Campylobacter* and *Helicobacter*. J. Appl. Microbiol. 90: 25-35

Penner, J. L. und Hennessy, J. N. 1980. Passive hemagglutination technique for serotyping *Campylobacter fetus* subsp. *jejuni* on the basis of soluble heat-stable antigens. J. Clin. Microbiol. 12: 732-737

Pesci, E. C., Cottle, D. L. und Pickett, C. L. 1994. Genetic, enzymatic, and pathogenic studies of the iron superoxide-dismutase of *Campylobacter jejuni*. Infect. Immun 62: 2687-2694

Petersen, L., Nielsen, E. M. und On, S. L. W. 2001. Serotype and genotype diversity and hatchery transmission of *Campylobacter jejuni* in commercial poultry flocks. Vet. Microbiol. 82: 141-154.

Phadtare, S., Alsina, J. und Inouye, M. 1999. Cold-shock response and cold-shock proteins. Curr. Opin. Microbiol. 2: 175-180

Phebus, R. K., Draughon, F. A. und Mount, J. R. 1991. Survival of *Campylobacter jejuni* in modified atmosphere packaged turkey roll. J. Food Protect. 54: 194-199

Pickett, C. L., Auffenberg, T., Pesci, E. C., Sheen, V. L. und Jusuf, S. S. D. 1992. Iron acquisition and hemolysin production by *Campylobacter jejuni*. Infect. Immun. 60: 3872-3877

Piddock, L. J. 1995. Quinolone resistance and *Campylobacter* spp. J. Antimicrob. Chemother. 36: 891-898

Popovic-Uroic, T., Gmajnicki, B., Kalenic, S. und Vodopija, I. 1988. Clinical comparison of *Campylobacter jejuni* und *Campylobacter coli* diarrhoea. Lancet 1: 176-177

Preston, M. A. und Penner, J. L. 1987. Structural and antigenic properties of lipopolysaccharides from serotype reference strains of *Campylobacter jejuni*. Infect. Immun. 55: 1806-1812.

Preston, M. A. und Penner, J. L. 1989. Characterization of cross-reacting serotypes of *Campylobacter jejuni*. Can. J. Microbiol. 35: 265-273

Purdy, D. und Park, S. F. 1994. Cloning, nucleotide-sequence and characterization of a gene encoding superoxide-dismutase from *Campylobacter jejuni* and *Campylobacter coli*. Microbiology 140: 1203-1208

Purdy, D., Cawthraw, S., Dickinson, J. H., Newell, D. G. und Park, S. F. 1999. Generation of a superoxide dismutase (SOD)-deficient mutant of *Campylobacter coli*: Evidence for the significance of SOD in *Campylobacter* survival and colonization. Appl. Environ. Microbiol. 65: 2540-2546

Purdy, D., Buswell, C. M., Hodgson, A. E., McAlpine, K., Henderson, I. und Leach, S. A. 2000. Characterisation of cytolethal distending toxin (CDT) mutants of *Campylobacter jejuni*. J. Med. Microbiol. 49: 473-479

Rautelin, H., Renkonen, O. V. und Kosunen, T. U. 1991. Emergence of fluoroquinolone resistance in *Campylobacter jejuni* and *Campylobacter coli* in subjects from Finland. Antimicrob. Agents Ch. 35: 2065-2069

Redmond, E. C. und Griffith, C. J. 2003. Consumer food handling in the home: A review of food safety studies. J. Food Protect. 66: 130-161

Reina, J., Ros, M. J. und Serra, A. 1995. Evaluation of the Api-Campy System in the biochemical-identification of hippurate negative *Campylobacter* strains isolated from feces. J. Clin. Pathol. 48: 683-685

Rhodehamel, E. J. und Pierson, M. D. 1990. Sodium hypophosphite inhibition of the growth of selected gram-negative foodborne pathogenic and spoilage bacteria. J. Food Protect. 53: 56-63

Rivoal, K., Denis, M., Salvat, G., Colin, P. und Ermel, G. 1999. Molecular characterization of the diversity of *Campylobacter* spp. isolates collected from a poultry slaughterhouse: analysis of cross-contamination. Lett. Appl. Microbiol. 29: 370-374

Robert Koch Institut. 2004. Infektionsepidemiologisches Jahrbuch, 2003. Berlin

Robert-Koch-Institut. 2005. SurvStat, <http://www3.rki.de/SurvStat>

Roberts, D. 1982. Factors contributing to outbreaks of food poisoning in England and Wales 1970-1979. J. Hyg. (London) 89: 491-498

Robinson, D. A. 1981. Infective dose of *Campylobacter jejuni* in milk. Brit. Med. J. 282: 1584

Rodrigues, L. C., Cowden, J. M., Wheeler, J. G., Sethi, D., Wall, P. G., Cumberland, P., Tompkins, D. S., Hudson, M. J., Roberts, J. A. und Roderick, P. J. 2001. The study of infectious intestinal disease in England: risk factors for cases of infectious intestinal disease with *Campylobacter jejuni* infection. Epidemiol. Infect. 127: 185-193

Rollins, D. M. und Colwell, R. R. 1986. Viable but nonculturable stage of *Campylobacter jejuni* and its role in survival in the natural aquatic environment. Appl. Environ. Microbiol. 52: 531-538

Ruiz, J., Goni, P., Marco, F., Gallardo, F., Mirelis, B., De Anta, T. J. und Vila, J. 1998. Increased resistance to quinolones in *Campylobacter jejuni*: A genetic analysis of *gyrA* gene mutations in quinolone-resistant clinical isolates. Microbiol. Immunol. 42: 223-226

Ryan, M. J., Wall, P. G., Gilbert, R. J., Griffin, M. und Rowe, B. 1996. Risk factors for outbreaks of infectious intestinal disease linked to domestic catering. Commun. Dis. Rep. CDR Rev. 6: 179-183

Saha, S. K., Saha, S. und Sanyal, S. C. 1991. Recovery of injured *Campylobacter jejuni* cells after animal passage. Appl. Environ. Microbiol. 57: 3388-3389

Sails, A. D., Bolton, F. J., Fox, A. J., Wareing, D. R. A. und Greenway, D. L. A. 1998. A reverse transcriptase polymerase chain reaction assay for the detection of thermophilic *Campylobacter* spp. Mol. Cell. Probe 12: 317-322

- Salama, S., Bolton, F. J. und Hutchinson, D. N. 1990. Evaluation of methods for the enumeration of *Campylobacter jejuni* and *Campylobacter coli* bacteriophages. Lett. Appl. Microbiol. 10: 193-195
- Saleha, A. A., Mead, G. C. und Ibrahim, A. L. 1998. *Campylobacter jejuni* in poultry production and processing in relation to public health. Worlds Poult. Sci. Journal 54: 49-58
- Sarlin, L. L., Barnhart, E. T., Caldwell, D. J., Moore, R. W., Byrd, J. A., Caldwell, D. Y., Corrier, D. E., Deloach, J. R. und Hargis, B. M. 1998. Evaluation of alternative sampling methods for *Salmonella* critical control point determination at broiler processing. Poult. Sci. 77: 1253-1257
- Schüppel, H., Fehlhaber, K. und Stryczek, E. 1994. Endogenous contamination in slaughtered animals (literature review). Berl Münch. Tierärztl. Wochenschr. 107: 23-29
- Scott, E. 1996. Foodborne disease and other hygiene issues in the home. J. Appl. Bacteriol. 80: 5-9
- Sébald, M. und Véron, M. 1963. Teneur en bases de l'ADN et classification des vibrions. Ann. Inst. Pasteur. 105: 897-910
- Shane, S. M., Gifford, D. H. und Yogasundram, K. 1986. *Campylobacter jejuni* contamination of eggs. Vet. Res. Commun. 10: 487-492
- Shane, S. M. 1992. The significance of *Campylobacter jejuni* infection in poultry: a review. Avian. Pathol. 21: 189-213
- Shane, S. M. 2000. *Campylobacter* infection of commercial poultry. Rev. Sci. Tech. Off. Int. Epiz. 19: 376-395
- Shanker, S., Lee, A. und Sorrell, T. C. 1986. *Campylobacter jejuni* in broilers - the role of vertical transmission. J. Hyg. 96: 153-159
- Sharpe, A. N., Isigidi Bin Kingombe, C., Watery, P., Parrington, L. J., Dundas, I. und Diotte, M. P. 1996. Efficient non-destructive sampler for carcasses and other surfaces. J. Food Protect. 59: 757-783
- Shreeve, J. E., Toszeghy, M., Ridley, A. und Newell, D. G. 2002. The carry-over of

- Campylobacter* isolates between sequential poultry flocks. Avian Dis. 46: 378-385
- Siragusa, G. R., Line, J. E., Brooks, L. L., Hutchinson, T., Laster, J. D. und Apple, R. O. 2004. Serological methods and selective agars to enumerate *Campylobacter* from broiler carcasses: data from inter- and intralaboratory analyses. J. Food Protect. 67: 901-907
- Skirrow, M. B. 1977. *Campylobacter enteritis* - New disease. Br. Med. J. 2: 9-11
- Skirrow, M. B. und Benjamin, J. 1980. Differentiation of enteropathogenic *Campylobacter*. J. Clin. Pathol. 33: 1122
- Skirrow, M. B. 1991. Epidemiology of *Campylobacter enteritis*. Int. J. Food Microbiol. 12: 9-16
- Skirrow, M. B. 1994. Diseases due to *Campylobacter*, *Helicobacter* and related bacteria. J. Comp. Pathol. 111: 113-149
- Skirrow, M. B. und Blaser, M. J. 2000. Clinical aspects of *Campylobacter* infection. In: Nachamkin, I. und Blaser, M. J. (Hrsg.): *Campylobacter*. Am. Society for Microbiol., Washington, D. C., 2nd edition, 69-89
- Smibert, R. M. 1978. The genus *Campylobacter*. Annu. Rev. Microbiol. 32: 673-709
- Smith, T. und Taylor, M. S. 1919. Some morphological and biological characters of the Spirilla (*Vibrio fetus* n. sp.) associated with disease of the fetal membranes in cattle. J. Exp. Med. 30: 299-311
- Smith, J. L. 1995. Arthritis, Guillain-Barré-Syndrome, and other sequelae of *Campylobacter jejuni* enteritis. J. Food Protect. 58: 1153-1170
- Smith, S. I., Sansa, T. I. und Coker, A. O. 1999. Antibiotic susceptibility patterns and beta-lactamase production of animal and human isolates of *Campylobacter* in Lagos, Nigeria. Z. Naturforsch. C. 54: 583-586
- Smith, S. I., Olukoya, D. K., Fox, A. J. und Coker, A. O. 2000. Genotyping of clinical and chicken isolates of *Campylobacter jejuni* and *Campylobacter coli*. Cytobios 103: 91-101
- Smitherman, R. E., Genigeorgis, C. A. und Farver, T. B. 1984. Preliminary observations on

the occurrence of *Campylobacter jejuni* at four California chicken ranches. J. Food Protect. 47: 293-298

Stead, D. und Park, S. F. 2000. Roles of Fe superoxide dismutase and catalase in resistance of *Campylobacter coli* to freeze-thaw stress. Appl. Environ. Microbiol. 66: 3110-3112

Steele, T. W. und Mc Dermott, S. N. 1984. The Use of membrane filters applied directly to the surface of agar plates for the isolation of *Campylobacter jejuni* from feces. Pathology 16: 263-265

Steinhausserova, I., Ceskova, J., Fojtikova, K. und Obrovska, I. 2001. Identification of thermophilic *Campylobacter* spp. by phenotypic and molecular methods. J. Appl. Microbiol. 90: 470-475

Stern, N. J., Green, S. S., Thaker, N., Krout, D. J. und Chiu, J. 1984. Recovery of *Campylobacter jejuni* from fresh and frozen meat and poultry collected at slaughter. J. Food Protect. 47: 372-374

Stern, N. J., Hernandez, M. P., Blankenship, L., Deibel, K. E., Doores, S., Doyle, M. P., Ng, H., Pierson, M. D., Sofos, J. N., Sveum, W. H. und Westhoff, D. C. 1985a. Prevalence and distribution of *Campylobacter jejuni* and *Campylobacter coli* in retail meats. J. Food Protect. 48: 595-599.

Stern, N. J., Rothenberg, P. J. und Stone, J. M. 1985b. Enumeration and reduction of *Campylobacter jejuni* in poultry and red meats. J Food Prot 48: 606-610.

Stern, N. J., Greenberg, M. D. und Kinsman, D. M. 1986. Survival of *Campylobacter jejuni* in selected gaseous environments. J. Food Sci. 51: 652-654

Stern, N. J. und Meinersmann, R. J. 1989. Potentials for colonization control of *Campylobacter jejuni* in the chicken. J. Food Protect. 52: 427-430

Stern, N. J. und Kazmi, S. 1989. *Campylobacter jejuni*, In: Doyle, M. P. (Hrsg.) Foodborne bacterial pathogens, New York, 71-110

Stern, N. J. und Line, J. E. 1992. Comparison of three methods for recovery of *Campylobacter* spp. from broiler carcasses. J. Food Protect. 55: 663-666

- Stern, N. J., Jones, D. M., Wesley, I. V. und Rollins, D. M. 1994. Colonization of chicks by non-culturable *Campylobacter* spp. Lett. Appl. Microbiol. 18: 333-336.
- Stern, N. J. 1995. Influence of season and refrigerated storage on *Campylobacter* spp. contamination of broiler carcasses. J. Appl. Poult. Res. 4: 235-238
- Stern, N. J., Clavero, M. R. S., Bailey, J. S., Cox, N. A. und Robach, M. C. 1995. *Campylobacter* spp. in broilers on the farm and after transport. Poult. Sci. 74: 937-941
- Stern, N. J., Fedorka-Cray, P., Bailey, J. S., Cox, N. A., Craven, S. E., Hiett, K. L., Musgrove, M. T., Ladely, S., Cosby, D. und Mead, G. C. 2001. Distribution of *Campylobacter* spp. in selected U.S. poultry production and processing operations. J. Food Protect. 64: 1705-1710
- Stern, N. J. und Robach, M. C. 2003. Enumeration of *Campylobacter* spp. in broiler feces and in corresponding processed carcasses. J. Food Protect. 66: 1557-1563
- Studahl, A. und Andersson, Y. 2000. Risk factors for indigenous *Campylobacter* infection: a Swedish case-control study. Epidemiol. Infect. 125: 269-275
- Takata, T., Fujimoto, S. und Amako, K. 1992. Isolation of nonchemotactic mutants of *Campylobacter jejuni* and their colonization of the mouse intestinal-tract. Infect. Immun. 60: 3596-3600
- Tam, C. C. 2001. *Campylobacter* reporting at its peak year of 1998: don't count your chickens yet. Commun. Dis. Public Health 4: 194-199
- Tarjan, V. 1984. Die Empfindlichkeit von *Campylobacter fetus* subsp. *jejuni* (Cfj) gegenüber Gammabestrahlung. Acta. Aliment. 13: 244-248
- Tauxe, R. V. 1992. Epidemiology of *Campylobacter jejuni* infections in the United States and other industrialized nations. In: Nachamkin, I., Blaser, M. J. und Tompkins, L. S. (Hrsg.): *Campylobacter jejuni*: current status and future trends. Am. Society for Microbiol., Washington, D.C.; 9-19
- Tenkate, T. D. und Stafford, R. J. 2001. Risk factors for *Campylobacter* infection in infants and young children: a matched case-control study. Epidemiol. Infect. 127: 399-404

Tholozan, J. L., Cappelier, J. M., Tissier, J. P., Delattre, G. und Federighi, M. 1999. Physiological characterization of viable-but-nonculturable *Campylobacter jejuni* cells. Appl. Environ. Microbiol. 65: 1110-1116

Thompson, J. S., Hodge, D. S., Smith, D. E. und Yong, Y. A. 1990. Use of Tri-Gas Incubator for routine culture of *Campylobacter* species from fecal specimens. J. Clin. Microbiol. 28: 2802-2803

Todd, E. C. D. 1996. Worldwide surveillance of foodborne disease: The need to improve. J. Food Protect. 59: 82-92

Tokumaru, M., Konuma, H., Umesako, M., Konno, S. und Shinagawa, K. 1991. Rates of detection of salmonella and *Campylobacter* in meats in response to the sample-size and the infection level of each species. Int. J. Food Microbiol. 13: 41-46

Totten, P. A., Patton, C. M., Tenover, F. C., Barrett, T. J., Stamm, W. E., Steigerwalt, A. G., Lin, J. Y., Holmes, K. K. und Brenner, D. J. 1987. Prevalence and characterization of hippurate-negative *Campylobacter jejuni* in King County, Washington. J. Clin. Microbiol. 25: 1747-1752

Umunnabuike, A. C. und Irokanulo, E. A. 1986. Isolation of *Campylobacter* subsp. *jejuni* from Oriental and American cockroaches caught in kitchens and poultry houses in Vom, Nigeria. Int. J. Zoonoses. 13: 180-186

Ursing, J. B., Lior, H. und Owen, R. J. 1994. Proposal of minimal standards for describing new species of the family *Campylobacteriaceae*. Int. J. Syst. Bacteriol. 44: 842-845

Uyttendaele, M., De Troy, P. und Debevere, J. 1999. Incidence of *Salmonella*, *Campylobacter jejuni*, *Campylobacter coli*, and *Listeria monocytogenes* in poultry carcasses and different types of poultry products for sale on the Belgian retail market. J. Food Protect. 62: 735-740

van de Giessen, A. W., Mazurier, S. I., Jacobs-Reitsma, W., Jansen, W., Berkers, P., Ritmeester, W. und Wernars, K. 1992. Study on the epidemiology and control of *Campylobacter jejuni* in poultry broiler flocks. Appl. Environ. Microbiol. 58: 1913-1917

van de Giessen, A. W., Tilburg, J. J., Ritmeester, W. S. und van der, P. J. 1998. Reduction

of *Campylobacter* infections in broiler flocks by application of hygiene measures. Epidemiol. Infect. 121: 57-66

Vandamme, P. und de Ley, J. 1991. Proposal for a new family, *Campylobacteriaceae*. Int. J. Syst. Bacteriol. 41: 451-455

Vandamme, P., Falsen, E., Rossau, R., Hoste, B., Segers, P., Tytgat, R. und de Ley, J. 1991. Revision of *Campylobacter*, *Helicobacter*, and *Wolinella* taxonomy: emendation of generic descriptions and proposal of *Arcobacter* gen. nov. Int. J. Syst. Bacteriol. 41: 88-103

Vandamme, P. und Goossens, H. 1992. Taxonomy of *Campylobacter*, *Arcobacter*, and *Helicobacter*: a review. Zentralbl. Bakteriol. 276: 447-472

Vandamme, P., Vancanneyt, M., Pot, B., Mels, L., Hoste, B., Dewettinck, D., Vlaes, L., van den, B. C., Higgins, R. und Hommez, J. 1992. Polyphasic taxonomic study of the emended genus *Arcobacter* with *Arcobacter butzleri* comb. nov. and *Arcobacter skirrowii* sp. nov., an aerotolerant bacterium isolated from veterinary specimens. Int. J. Syst. Bacteriol. 42: 344-356

Vandenberg, O., Klein, A., Souayah, H., Devaster, J. M., Levy, J. und Butzler, J. P. 2003. Possible *Campylobacter jejuni* osteomyelitis in a 14-month-old child. Int. J. Infect. Dis. 7: 164-165

Vincent, R., Dumas, J. und Picard, N. 1947. Septicémie grave au cors de la grossesse, due à un vibrion. Avortement consécutif. Bull. C. R. Acad. Nat. Med. 131: 90-92

Wallace, J. S., Stanley, K. N., Currie, J. E., Diggle, P. J. und Jones, K. 1997. Seasonality of thermophilic *Campylobacter* populations in chickens. J. Appl. Microbiol. 82: 219-224.

Wang, W. L., Blaser, M. und Cravens, J. 1978. Isolation of *Campylobacter*. Brit. Med. J. 1: 57

Wang, W. L. L., Luechtfeld, N. W., Reller, L. B. und Blaser, M. J. 1980. Enriched brucella medium for storage and transport of cultures of *Campylobacter fetus* subsp. *jejuni*. J. Clin. Microbiol. 12: 479-480

Wang, W. L. L., Powers, B. W., Luechtfeld, N. W. und Blaser, M. J. 1983. Effects of

disinfectants on *Campylobacter jejuni*. Appl. Environ. Microbiol. 45: 1202-1205

Wanyanya, I., Muyanja, C. und Nasinyama, G. W. 2004. Kitchen practices used in handling broiler chickens and survival of *Campylobacter* spp. on cutting surfaces in Kampala, Uganda. J. Food Protect. 67: 1957-1960

Wassenaar, T. M. 1997. Toxin production by *Campylobacter* spp. Clin. Microbiol. Rev. 10: 466-469

Wassenaar, T. M. und Newell, D. G. 2000. Genotyping of *Campylobacter* spp. Appl. Environ. Microbiol. 66: 1-9

Wedderkopp, A., Gradel, K. O., Jorgensen, J. C. und Madsen, M. 2001. Pre-harvest surveillance of *Campylobacter* and *Salmonella* in Danish broiler flocks: a two-year study. Int. J. Food Microbiol. 68: 53-59

Wegmüller, B., Luthy, J. und Candrian, U. 1993. Direct polymerase chain reaction detection of *Campylobacter jejuni* and *Campylobacter coli* in raw milk and dairy products. Appl. Environ. Microbiol. 59: 2161-2165

Welkos, S. L. 1984. Experimental gastroenteritis in newly-hatched chicks infected with *Campylobacter jejuni*. J. Med. Microbiol. 18: 233-248

Wempe, J. M., Genigeorgis, C. A., Farver, T. B. und Yusufu, H. I. 1983. Prevalence of *Campylobacter jejuni* in two California chicken processing plants. Appl. Environ. Microbiol. 45: 355-359

Wesley, R. D. und Stadelman, W. J. 1985. The Effect of carbon-dioxide packaging on detection of *Campylobacter jejuni* from chicken carcasses. Poult. Sci. 64: 763-764

Whitehouse, C. A., Balbo, P. B., Pesci, E. C., Cottle, D. L., Mirabito, P. M. und Pickett, C. L. 1998. *Campylobacter jejuni* cytolethal distending toxin causes a G(2)-phase cell cycle block. Infect. Immun. 66: 1934-1940

Whyte, P., Collins, J. D., McGill, K., Monahan, C. und O'Mahony, H. 2001. Distribution and prevalence of airborne microorganisms in three commercial poultry processing plants. J. Food Protect. 64: 388-391

- Willis, W. L. und Murray, C. 1997. *Campylobacter jejuni* seasonal recovery observations of retail market broilers. *Poult. Sci.* 76: 314-317
- Wilson, I. G. und Moore, J. E. 1996. Presence of *Salmonella* spp and *Campylobacter* spp in shellfish. *Epidemiol. Infect.* 116: 147-153.
- Wundt, W., Kutscher, A. und Kasper, G. 1985. The behavior of *Campylobacter jejuni* in various foodstuffs. *Zentralbl. Bakteriol. Mikrobiol. Hyg. [B]* 180: 528-533
- Yogasundram, K., Shane, S. M. und Harrington, K. S. 1989. Prevalence of *Campylobacter jejuni* in selected domestic and wild birds in Louisiana. *Avian Dis.* 33: 664-667
- Yuki, N. 1997. Molecular mimicry between gangliosides and lipopolysaccharides of *Campylobacter jejuni* isolated from patients with Guillain-Barré syndrome and Miller-Fisher syndrome. *J. Infect. Dis.* 176: S150-S153
- Zanetti, F., Varoli O., Stampi, S. und De Luca G. 1996. Prevalence of thermophilic *Campylobacter* and *Arcobacter butzleri* in food of animal origin. *Int. J. Food Microbiol.* 33:315-21.
- Zhao, C., Ge, B., De Villena, J., Sudler, R., Yeh, E., Zhao, S., White, D. G., Wagner, D. und Meng, J. 2001. Prevalence of *Campylobacter* spp., *Escherichia coli*, and *Salmonella* serovars in retail chicken, turkey, pork, and beef from the Greater Washington, D. C., area. *Appl. Environ. Microbiol.* 67: 5431-5436
- Ziprin, R. L., Young, C. R., Stanker, L. H., Hume, M. E. und Konkel, M. E. 1999. The absence of cecal colonization of chicks by a mutant of *Campylobacter jejuni* not expressing bacterial fibronectin-binding protein. *Avian Dis.* 43: 586-589