

ADVISORY COMMITTEE ON THE MICROBIOLOGICAL SAFETY OF FOOD

Items of possible interest from the literature

A list of items from the literature which may be of interest to members is attached.

**Secretariat
December 2006**

Bacillus cereus

Rasko DA, Rosovitz MJ, Okstad OA, Fouts DE, Jiang L, Cer RZ, Kolsto AB, Gill SR, Ravel J. Complete sequence analysis of novel plasmids from emetic and periodontal *Bacillus cereus* isolates reveals a common evolutionary history among the *B. cereus* group plasmids including *B. anthracis* pX01. J Bacteriol 2006 Oct 13. Epub ahead of print.

Van der Auwera GA, Timmery S, Hoton F, Mahillon J. Plasmid exchanges among members of the *Bacillus cereus* group in foodstuffs. Int J Food Microbiol 2006; Sep 21; Epub ahead of print.

Martinez S, Borrajo R, Franco I, Carballo J. Effect of environmental parameters on growth kinetics of *Bacillus cereus* (ATCC 7004) after mild heat treatment. Int J Food Microbiol 2006 Sept 12; Epub ahead of print.

Delvecchio VG, Connolly JP, Alefantis TG, Walz A, Quan MA, Patra G, Ashton JM, Whittington JT, Chafin RD, Liang X, Grewal P, Khan AS, Mujer CV. Proteomic profiling and identification of immunodominant spore antigens of *Bacillus anthracis*, *Bacillus cereus*, and *Bacillus thuringiensis*. Appl Environ Microbiol 2006; **72(9)**: 6355-63.

den Besten HM, Mataragas M, Moezelaar R, Abee T, Zwietering MH. Quantification of the effects of salt stress and physiological state on thermotolerance of *Bacillus cereus* ATCC 10987 and ATCC 14579. Appl Environ Microbiol 2006; **72(9)**: 5884-94.

Tourasse NJ, Helgason E, Okstad OA, Hegna IK, Kolsto AB. The *Bacillus cereus* group: novel aspects of population structure and genome dynamics. J Appl Microbiol 2006; **101(3)**: 579-93.

Thomassin S, Jobin MP, Schmitt P. The acid tolerance response of *Bacillus cereus* ATCC 14579 is dependent on culture pH, growth rate and intracellular pH. Arch Microbiol 2006; **186(3)**: 229-239.

Ouhib O, Clavel T, Schmitt P. The production of *Bacillus cereus* enterotoxins is influenced by carbohydrate and growth rate. Curr Microbiol 2006; **53(3)**: 222-6.

Campylobacter

Miller WG, Heath S, Mandrell RE. Cryptic plasmids isolated from *Campylobacter* strains represent multiple, novel incompatibility groups. Plasmid. 2006 Oct 23; Epub ahead of print.

Baker M, Wilson N, Ikram R, Chambers S, Shoemack P, Cook G. Regulation of chicken contamination is urgently needed to control New Zealand's serious campylobacteriosis epidemic. N Z Med J 2006; **119(1243)**: U2264.

Bellido-Blasco JB, Celades-Porcar ME, Tirado-Balaguer MD, Gonzalez-Cano JM, Gil-Oruno M, Arnedo-Pena A. [Infectious diarrhea study in Castellon, Spain (EDICS): population incidence of sporadic cases in 2004 and comparison with the year 2000.] *Med Clin (Barc.)* 2006; **127(12)**: 448-50. Spanish.

Cox NA, Richardson LJ, Buhr RJ, Fedorka-Cray PJ, Bailey JS, Wilson JL, Hiatt KL. Natural presence of *Campylobacter* spp. in various internal organs of commercial broiler breeder hens. *Avian Dis* 2006; **50(3)**: 450-3.

Northcutt JK, Cason JA, Smith DP, Buhr RJ, Fletcher DL. Broiler carcass bacterial counts after immersion chilling using either a low or high volume of water. *Poult Sci.* 2006; **85(10)**: 1802-6.

Neubauer C, Hess M. Detection and identification of food-borne pathogens of the genera *Campylobacter*, *Arcobacter* and *Helicobacter* by multiplex PCR in poultry and poultry products. *J Vet Med B Infect Dis Vet Public Health* 2006; **53(8)**: 376-81.

Alter T, Scherer K. Stress response of *Campylobacter* spp. and its role in food processing. *J Vet Med B Infect Dis Vet Public Health* 2006; **53(8)**: 351-7.

Allen VM, Bull SA, Corry JE, Domingue G, Jorgensen F, Frost JA, Whyte R, Gonzalez A, Elviss N, Humphrey TJ. *Campylobacter* spp. contamination of chicken carcasses during processing in relation to flock colonisation. *Int J Food Microbiol* 2006 Sep 26. Epub ahead of print.

Son I, Englen MD, Berrang ME, Fedorka-Cray PJ, Harrison MA. Prevalence of *Arcobacter* and *Campylobacter* on broiler carcasses during processing. *Int J Food Microbiol* 2006 Sep 14. Epub ahead of print.

Cole K, Farnell MB, Donoghue AM, Stern NJ, Svetoch EA, Eruslanov BN, Volodina LI, Kovalev YN, Perelygin VV, Mitsevich EV, Mitsevich IP, Levchuk VP, Pokhilenko VD, Borzenkov VN, Svetoch OE, Kudryavtseva TY, Reyes-Herrera I, Blore PJ, Solis de los Santos F, Donoghue DJ. Bacteriocins reduce *Campylobacter* colonization and alter gut morphology in turkey poults. *Poult Sci* 2006; **85(9)**: 1570-5.

Yu RK, Usuki S, Ariga T. Ganglioside molecular mimicry and its pathological roles in Guillain-Barre Syndrome and related diseases. *Infect Immun* 2006 Sep 11. Epub ahead of print.

Cambell D, Hathaway S, van der Logt P. New Zealand Food Safety Authority's response to the "flies, fingers, fomites, and food" article on campylobacteriosis. *NZ Med J* 2006; **119(1241)**: U2157.

Callicott KA, Friethriksdottis V, Reiersen J, Lowman R, Bisailon JR, Gunnarsson E, Berndtson E, Hiatt KL, Needleman DS, Stern NJ. Lack of evidence for vertical transmission of *Campylobacter* spp. in chickens. *Appl Environ Microbiol* 2006; **72(9)**: 5794-8.

Georgsson F, Thornorkelsson AE, Geirsdottir M, Reiersen J, Stern NJ. The influence of freezing and duration of storage on *Campylobacter* and indicator bacteria in broiler carcasses. *Food Microbiol* 2006; **23(7)**: 677-83.

Klein EJ, Boster DR, Stapp JR, Wells JG, Qin X, Clausen CR, Swerdlow DL, Braden CR, Tarr PI. Diarrhea etiology in a Children's Hospital Emergency Department: a prospective cohort study. *Clin Infect Dis* 2006; **43(7)**: 807-13.

Rinella ES, Eversley CD, Carroll IM, Andrus JM, Threadgill DW, Threadgill DS. Human epithelial-specific response to pathogenic *Campylobacter jejuni*. *FEMS Microbiol Lett* 2006; **262(2)**: 236-43.

Kempf I, Dufour-Gesbert F, Hellard G, Prouzet-Mauleon V, Megraud F. Broilers do not play a dominant role in the *Campylobacter fetus* contamination of humans. *J Med Microbiol* 2006; **55(Pt 5)**: 1277-8.

Uyttendaele M, Baert K, Ghafir Y, Daube G, De Zutter L, Herman L, Dierick K, Pierard D, Dubois JJ, Horion B, Debevere J. Quantitative risk assessment of *Campylobacter* spp. in poultry based meat preparations as one of the factors to support the development of risk-based microbiological criteria in Belgium. *Int J Food Microbiol* 2006; **111(2)**: 149-63.

Jensen AN, Dalsgaard A, Baggeson DL, Nielsen EM. The occurrence and characterization of *Campylobacter jejuni* and *C. coli* in pigs and their outdoor environment. *Vet Microbiol* 2006; **116(1-3)**: 96-105.

Skanseng B, Kaldhusdal M, Rudi K. Comparison of chicken gut colonisation by the pathogens *Campylobacter jejuni* and *Clostridium perfringens* by real-time quantitative PCR. *Mol Cell Probes* 2006; **20(5)**: 269-79.

Clostridium

Long SC, Tauscher T. Watershed issues associated with *Clostridium botulinum*: a literature review. *J Water Health*, 2006; **4(3)**: 277-88.

Magnusson M, Christiansson A, Svensson B, Kolstrup C. Effect of different premilking manual teat-cleaning methods on bacterial spores in milk. *J Dairy Sci* 2006; **89(10)**: 3866-75.

McLauchlin J, Grant KA, Little CL. Food-borne botulism in the United Kingdom. *J Public Health (Oxf.)* 2006 Aug 17; Epub ahead of print.

Peck MW. *Clostridium botulinum* and the safety of minimally heated, chilled foods: an emerging issue? *J Appl Microbiol* 2006; **101(3)**: 556-70.

Gould GW. History of science- spores. *J Appl Microbiol* 2006; **101(3)**: 507-13.

Otter A, Livesey C, Hogg R, Sharpe R, Gray D. Risk of botulism in cattle and sheep arising from contact with broiler litter. *Vet Rec* 2006; **159(6)**: 186-7.

Omeira N, Barbour EK, Nehme PA, Hamadeh SK, Zurayk R, Bashour I. Microbiological and chemical properties of litter from different chicken types and production systems. *Sci Total Environ* 2006; **367(1)**: 156-62.

Fallani M, Rogottier-Gois L, Aguilera M, Bridonneau C, Collignon A, Edwards CA, Corthier G, Dore J. *Clostridium difficile* and *Clostridium perfringens* species detected in infant faecal microbiota using 16S rRNA targeted probes. *J Microbiol Methods* 2006; **67(1)**: 150-61.

Skansberg B, Kaldhusdal M, Rudi K. Comparison of chicken gut colonisation by the pathogens *Campylobacter jejuni* and *Clostridium perfringens* by real-time quantitative PCR. *Mol Cell Probes* 2006; **20(5)**: 269-79.

Cryptosporidium

Feltus DC, Giddings CW, Schneck BL, Monson T, Warshauer D, McEvoy JM. Evidence supporting zoonotic transmission of *Cryptosporidium* in Wisconsin. *J Clin Microbiol* 2006; Sep 27. Epub ahead of print.

Schets FM, van den Berg HH, Engels GB, Lodder WJ, de Roda Husman AM. *Cryptosporidium* and *Giardia* in commercial and non-commercial oysters (*Crassostrea gigas*) and water from the Oosterschelde, the Netherlands. *Int J Food Microbiol* 2006; Sep 12. Epub ahead of print.

Barta JR, Thompson RC. What is *Cryptosporidium*? Reappraising its biology and phylogenetic affinities. *Trends Parasitol* 2006; **22(10)**: 463-8.

Graczyk TK, Lewis EJ, Glass G, Dasilva AJ, Tamang L, Girouard AS, Curriero FC. Quantitative assessment of viable *Cryptosporidium parvum* load in commercial oysters (*Crassostrea virginica*) in the Chesapeake Bay. *Parasitol Res* 2006; Aug 8. Epub ahead of print.

Trotz-Williams LA, Martin DS, Gatei W, Cama V, Peregrine AS, Martin SW, Nydam DV, Jamieson F, Xiao L. Genotype and subtype analyses of *Cryptosporidium* isolates from dairy calves and humans in Ontario. *Parasitol Res* 2006; **99(4)**: 346-52.

***E. coli* O157**

Cooley MB, Chao D, Mandrell RE. *Escherichia coli* O157:H7 survival and growth on lettuce is altered by the presence of epiphytic bacteria. *J Food Prot* 2006; **69(10)**: 2329-35.

Tsai TY, Lee WJ, Huang YJ, Chen KL, Pan TM. Detection of viable enterohemorrhagic *Escherichia coli* O157 using the combination of immunomagnetic separation with the reverse transcription multiplex TaqMan PCR system in food and stool samples. *J Food Prot* 2006; **69(10)**: 2320-8.

Hussein HS. Prevalence and pathogenicity of Shiga toxin-producing *Escherichia coli* in beef cattle and their products. J Anim Sci 2006 Oct 23. Epub ahead of print.

Sanderson MW, Sargeant JM, Shi X, Nagaraja TG, Zurek L, Alam MJ. Longitudinal Emergence and Distribution of *Escherichia coli* O157 Genotypes in a Beef Feedlot. Appl Environ Microbiol 2006; Oct 20. Epub ahead of print.

Clough HE, Clancy D, French NP. Vero-Cytotoxigenic *Escherichia coli* O157 in Pasteurized Milk Containers at the Point of Retail: A Qualitative Approach to Exposure Assessment. Risk Anal 2006; **26(5)**: 1291-309.

Hoffman MA, Menge C, Casey TA, Laegreid W, Bosworth BT, Dean-Nystrom EA. Bovine immune response to Shiga-toxigenic *Escherichia coli* O157:H7. Clin Vaccine Immunol 2006 Oct 18. Epub ahead of print.

Fiorino EK, Raffaelli RM. Hemolytic-uremic syndrome. Pediatr Rev 2006; **27(10)**: 398-9.

Centers for Disease Control and Prevention (CDC). Ongoing multistate outbreak of *Escherichia coli* serotype O157:H7 infections associated with consumption of fresh spinach – United States, September 2006. MMWR Morb Mortal Wkly Rep 2006; **55(38)**: 1045-6.

Centers for Disease Control and Prevention (CDC). Importance of culture confirmation of shiga toxin-producing *Escherichia coli* infection as illustrated by outbreaks of gastroenteritis – New York and North Carolina, 2005. MMWR Morb Mortal Wkly Rep 2006; **55(38)**: 1042-5.

Razzaq S. Hemolytic uremic syndrome: an emerging health risk. Am Fam Physician 2006; **74(6)**: 991-6.

Strachan NJ, Dunn GM, Locking ME, Reid TM, Ogden ID. *Escherichia coli* O157: Burger bug or environmental pathogen? Int J Food Microbiol 2006; **112(2)**: 129-37.

Dipineto L, Santaniello A, Fontanella M, Lagos K, Fioretti A, Menna LF. Presence of Shiga toxin-producing *Escherichia coli* O157:H7 in living layer hens. Lett Appl Microbiol 2006; **43(3)**: 293-5.

Scaife HR, Cowan D, Finney J, Kinghorn-Perry SF, Crook B. Wild rabbits (*Oryctolagus cuniculus*) as potential carriers of verocytotoxin-producing *Escherichia coli*. Vet Rec 2006; **159(6)**: 175-8.

Fremaux B, Raynaud S, Beutin L, Rozand CV. Dissemination and persistence of Shiga toxin-producing *Escherichia coli* (STEC) strains on French dairy farms. Vet Microbiol 2006; **117(2-4)**: 180-91.

Hepatitis A

Gungabissoon U, Andrews N, Crowcroft NS. Hepatitis A virus infection in people of South Asian origin in England and Wales: analysis of laboratory reports between 1992 and 2004. *Epidemiol Infect* 2006; Sep 26 1-6. Epub ahead of print.

Hewitt J, Greening GE. Effect of heat treatment on hepatitis A virus and norovirus in New Zealand greenshell mussels (*Perna canaliculus*) by quantitative real-time reverse transcription PCR and cell culture. *J Food Prot* 2006; **69(9)**: 2217-23.

Roberts PL, El Hana C, Saldana J. Inactivation of parvovirus B19 and model viruses in factor VIII by dry heat treatment at 80 degrees C. *Transfusion* 2006; **46(9)**: 1648-50.

Hepatitis E

Panda SK, Thakral D, Rehman S. Hepatitis E virus. *Rev Med Virol* 2006 Oct 19. Epub ahead of print.

de Deus N, Seminati C, Pina S, Mateu E, Martin M, Segales J. Detection of hepatitis E virus in liver, mesenteric lymph node, serum, bile and faeces of naturally infected pigs affected by different pathological conditions. *Vet Microbiol* 2006 Sep 21. Epub ahead of print.

Teo CG. Hepatitis E indigenous to economically developed countries: to what extent a zoonosis? *Curr Opin Infect Dis* 2006; **19(5)**: 460-6.

Emerson SU, Purcell RH. Hepatitis E virus. *Rev Med Virol* 2003; **13**: 145-154.

Listeria monocytogenes

Francis GA, O'Beirne D. Isolation and pulsed-field gel electrophoresis typing of *Listeria monocytogenes* from modified atmosphere packaged fresh-cut vegetables collected in Ireland. *J Food Prot* 2006; **69(10)**: 2524-8.

Perez-Rodriguez F, Todd EC, Valero A, Carrasco E, Garcia RM, Zurera G. Linking quantitative exposure assessment and risk management using the food safety objective concept: an example with *Listeria monocytogenes* in different cross-contamination scenarios. *J Food Prot* 2006; **69(10)**: 2384-94.

Nightingale KK, Lyles K, Ayodele M, Jalan P, Nielsen R, Wiedmann M. Novel method to identify source-associated phylogenetic clustering shows that *Listeria monocytogenes* includes niche-adapted clonal groups with distinct ecological preferences. *J Clin Microbiol* 2006; **44(10)**: 3742-51.

Pan Y, Breidt F Jr, Kathariou S. Resistance of *Listeria monocytogenes* biofilms to sanitizing agents in a simulated food processing environment. *Appl Environ Microbiol* 2006; Sep 29. Epub ahead of print.

Gandhi M, Chikindas ML. *Listeria*: A foodborne pathogen that knows how to survive. *Int J Food Microbiol* Sep 2006; Sep 27. Epub ahead of print.

Zhang Y, Yeh E, Hall G, Cripe J, Bhagwat AA, Meng J. Characterization of *Listeria monocytogenes* isolated from retail foods. *Int J Food Microbiol* 2006; Sep 20. Epub ahead of print.

Gudmundsdottir S, Roche SM, Kristinsson KG, Kristjansson M. Virulence of *Listeria monocytogenes* isolates from humans and smoked salmon, peeled shrimp, and their processing environments. *J Food Prot* 2006; **69(9)**: 2157-60.

Hu Y, Gall K, Ho A, Ivanek R, Grohn YT, Wiedmann M. Daily variability of *Listeria* contamination patterns in a cold-smoked salmon processing operation. *J Food Prot* 2006; **69(9)**: 2123-33.

Hansen CH, Vogel BF, Gram L. Prevalence and survival of *Listeria monocytogenes* in Danish aquatic and fish-processing environments. *J Food Prot* 2006; **69(9)**: 2113-22.

Klaeboe H, Rosef O, Fortes E, Wiedmann M. Ribotype diversity of *Listeria monocytogenes* isolates from two salmon processing plants in Norway. *Int J Environ Health Res*; **16(5)**: 375-83.

Martin P, Jacquet C, Goulet V, Vaillant V, De Valk H; Participants in the Pulse-Net Europe Feasibility Study. Pulsed-field gel electrophoresis of *Listeria monocytogenes* strains: the PulseNet Europe Feasibility Study. *Foodborne Pathog Dis* 2006; **3(3)**: 303-8.

Kathariou S, Graves L, Buchrieser C, Glaser P, Siletzky RM, Swaminathan B. Involvement of closely related strains of a new clonal group of *Listeria monocytogenes* in the 1998-99 and 2002 multistate outbreaks of foodborne listeriosis in the United States. *Foodborne Pathog Dis* 2006; **3(3)**: 292-302.

Guillier L, Augustin JC. Modelling the individual cell lag time distributions of *Listeria monocytogenes* as a function of the physiological state and the growth conditions. *Int J Food Microbiol* 2006; **111(3)**: 241-51.

Norovirus

Vainio K, Myrmel M. Molecular epidemiology of norovirus outbreaks in Norway during 2000 to 2005 and comparison of four norovirus real-time reverse transcriptase PCR assays. *J Clin Microbiol* 2006; **44(10)**: 3695-702.

Hewitt J, Greening GE. Effect of heat treatment on hepatitis A virus and norovirus in New Zealand greenshell mussels (*Perna canaliculus*) by

quantitative real-time reverse transcription PCR and cell culture. J Food Prot 2006; **69(9)**: 2217-23.

Le Pendu J, Ruvoen-Clouet N, Kindberg E, Svensson L. Mendelian resistance to human norovirus infections. Semin Immunol 2006; **18(6)**: 375-86.

Antonishyn NA, Crozier NA, McDonald RR, Levett PN, Horsman GB. Rapid detection of Norovirus based on an automated extraction protocol and a real-time multiplexed single-step RT-PCR. J Clin Virol 2006; **37(3)**: 156-61.

Goodgame R. Norovirus gastroenteritis. Curr Gastroenterol Rep 2006; **8(5)**: 401-8.

Okame M, Akihara S, Hansman G, Hainian Y, Tran HT, Phan TG, Yagyu F, Okitsu S, Ushijima H. Existence of multiple genotypes associated with acute gastroenteritis during 6-year survey of norovirus infection in Japan. J Med Virol 2006; **78(10)**: 1318-24.

Martinez MA, Alcalá AC, Carruyo G, Botero L, Liprandi F, Ludert JE. Molecular detection of porcine enteric caliciviruses in Venezuelan farms. Vet Microbiol 2006; **116(1-3)**: 77-84.

Waters A, Coughlan S, Dunford L, Hall WW. Molecular epidemiology of norovirus strains circulating in Ireland from 2003 to 2004. Epidemiol Infect 2006; **134(5)**: 917-25.

Salmonella

Hara-Kudo Y, Ohtsuka LK, Onoue Y, Otomo Y, Furukawa I, Yamaji A, Segawa Y, Takatori K. Salmonella prevalence and total microbial and spore populations in spices imported to Japan. J Food Prot 2006; **69(10)**: 2519-23.

Oliveira K, Oliveira T, Teixeira P, Azeredo J, Henriques M, Oliveira R. Comparison of the adhesion ability of different *Salmonella enteritidis* serotypes to materials used in kitchens. J Food Prot 2006; **69(10)**: 2352-6.

Small A, James C, James S, Davies R, Liebana E, Howell M, Hutchison M, Buncie S. Presence of *Salmonella* in the red meat abattoir lairage after routine cleansing and disinfection and on carcasses. J Food Prot 2006; **69(10)**: 2342-51.

Coldham NG, Randall LP, Piddock LJ, Woodward MJ. Effect of fluoroquinolone exposure on the proteome of *Salmonella enterica* serovar *Typhimurium*. J Antimicrob Chemother 2006 Oct 24. Epub ahead of print.

Fukushima H, Katsube K, Hata Y, Kishi R, Shimada S. Rapid separation and concentration of food-borne pathogens in food samples prior to quantification by viable count and real-time PCR. Appl Environ Microbiol 2006 Oct 20. Epub ahead of print.

Messens W, Grijspeerdt K, Herman L. Eggshell penetration of hen's eggs by *Salmonella enterica* serovar *Enteritidis* upon various storage conditions. Br Poult Sci 2006; **47(5)**: 554-60.

Brown SP, Cornell SJ, Sheppard M, Grant AJ, Maskell DJ, Grenfell DJ, Grenfell BT, Mastroeni P. Intracellular demography and the dynamics of *Salmonella enterica* infections. PLoS Biol 2006; **4(11)**: Epub ahead of print.

Johnston LM, Jaykus LA, Moll D, Anciso J, Mora B, Moe CL. A field study of the microbiological quality of fresh produce of domestic and Mexican origin. Int J Food Microbiol 2006; **112(2)**: 83-95.

Bellido-Blasco JB, Celades-Porcar ME, Tirado-Balaguer MD, Gonzalez-Cano JM, Gil-Oruno M, Arnedo-Pena A. [Infectious diarrhea study in Castellon, Spain (EDICS): population incidence of sporadic cases in 2004 and comparison with the year 2000.] Med Clin (Barc.) 2006; **127(12)**: 448-50. Spanish.

Holt PS, Vaughn LE, Moore RW, Gast RK. Comparison of *Salmonella enterica* serovar *Enteritidis* levels in crops of fed or fasted infected hens. Avia Dis 2006; **50(3)**: 425-9.

Agunos A, Silphaduang U, Mine Y. Effects of nonimmunized egg yolk powder-supplemented feed on *Salmonella enteritidis* prevention and elimination in broilers. Avian Dis 2006; **50(3)**: 366-73.

Ong G, Wilson I, Smyth B, Rooney P. Antimicrobial resistance in non-typhoidal salmonellas from humans in Northern Ireland, 2001-2003: standardization needed for better epidemiological monitoring. Epidemiol Infect 2006; 1-6. Epub ahead of print.

Davis MA, Hancock DD, Besser TE, Daniels JB, Baker KN, Call DR. Antimicrobial resistance in *Salmonella enterica* serovar Dublin isolates from beef and dairy sources. Vet Microbiol 2006 Sep 1. Epub ahead of print.

Threlfall EJ, Day M, de Pinna E, Charlett A, Goodyear KL. Assessment of factors contributing to changes in the incidence of antimicrobial drug resistance in *Salmonella enterica* serotypes *Enteritidis* and *Typhimurium* from humans in England and Wales in 2000, 2002 and 2004. Int J Antimicrob Agents 2006 Oct 5. Epub ahead of print.

Alcaine SD, Soyer Y, Warnick LD, Su WL, Sukhnanand SS, Richards J, Fortes ED, McDonough P, Root TP, Dumas NB, Grohn Y, Wiedmann M. Multilocus sequence typing supports that cattle and human associated *Salmonella* represent distinct and overlapping populations. Appl Environ Microbiol 2006 Oct 6. Epub ahead of print.

- van den Brandhof WE, Bartelds AI, Koopmans MP, van Duynhoven YT. General practitioner practices in requesting laboratory tests for patients with gastroenteritis in the Netherlands, 2001-2002. *BMC Fam Pract* 2006; **7**: 56.
- Buege DR, Searls G, Ingham SC. Lethality of commercial whole-muscle beef jerky manufacturing processes against *Salmonella* serovars and *Escherichia coli* O157: H7. *J Food Prot* 2006; **69(9)**: 2091-9.
- Chambliss LS, Narang N, Juneja VK, Harrison MA. Thermal injury and recovery of *Salmonella enterica* serovar *Enteritidis* in ground chicken with temperature, pH, and sodium chloride as controlling factors. *J Food Prot* 2006; **69(9)**: 2058-65.
- Guan J, Grenier C, Brooks BW. In vitro study of *Samonella enteritidis* and *Salmonella typhimurium* definitive type 104: survival in egg albumen and penetration through the vitelline membrane. *Poult Sci.* 2006; **85(9)**: 1678-81.
- Line JE, Bailey JS. Effect on on-farm litter acidification treatments on *Campylobacter* and *Salmonella* populations in commercial broiler houses in northeast Georgia. *Poult Sci* 2006; **85(9)**: 1529-34.
- Straley BA, Donaldson SC, Hedge NV, Sawant AA, Srinivasa V, Oliver SP, Jayarao BM. Public health significance of antimicrobial-resistance gram-negative bacteria in raw bulk tank milk. *Foodborne Pathog Dis* 2006; **3(3)**: 222-33.
- Eurosurveillance editorial team. Reducing *Salmonella* in European egg-laying hens: EU targets now set. *Euro Surveill.* 2006; **11(8)**: E060810.3.
- You Y, Rankin SC, Aceto HW, Benson CE, Toth JD, Dou Z. Survival of *Salmonella enterica* serovar Newport in manure and manure-amended soils. *Appl Environ Microbiol* 2006; **72(9)**: 5777-83.
- Yuk HG, Schneider KR. Adaptation of *Salmonella* spp. in juice stored under refrigerated and room temperature enhances acid resistance to simulated gastric fluid. *Food Microbiol* 2006; **23(7)**: 694-700.
- Myint MS, Johnson YJ, Tablante NL, Heckert RA. The effect of pre-enrichment protocol on the sensitivity and specificity of PCR for detection of naturally contaminated *Salmonella* in raw poultry compared to convention culture. *Food Microbiol* 2006; **23(6)**: 599-604.
- Riano I, Moreno MA, Teshager T, Saenz Y, Dominguez L, Torres C. Detection and characterization of extended-spectrum beta-lactamases in *Salmonella enterica* strains of healthy food animals in Spain. *J Antimicrob Chemother* 2006; **58(4)**: 844-7.
- Vinneras B. Comparison of composting, storage and urea treatment for sanitising of faecal matter and manure. *Bioresour Technol* 2006 Aug 22. Epub ahead of print.

Holtby I, Tebbutt GM, Anwar S, Aislabie J, Bell V, Flowers W, Hedgley J, Kelly P. Two separate outbreaks of *Salmonella enteritidis* phage type 14b food poisoning linked to the consumption of the same type of frozen food. Public Health 2006; **120(9)**: 817-23.

Jordan E, Egan J, Dullea C, Ward J, McGillicuddy K, Murray G, Murphy A, Bradshaw B, Leonard N, Rafter P, McDowell S. *Salmonella* surveillance in raw and cooked meat and meat products in the Republic of Ireland from 2002 to 2004. Int J Food Microbiol 2006; **112(1)**: 66-70.

Braden CR. *Salmonella enterica* serotype *Enteritidis* and eggs: a national epidemic in the United States. Clin Infect Dis 2006; **43(4)**: 512-7.

Prevost K, Magal P, Beaumont C. A model of *Salmonella* infection within industrial house hens. J Theor Biol 2006; **242(3)**: 755-63.

Wales A, Breslin M, Davies R. Assessment of cleaning and disinfection in *Salmonella*-contaminated poultry layer houses using qualitative and semi-quantitative culture techniques. Vet Microbiol 2006; **116(4)**: 283-93.

Kang H, Loui C, Clavijo RI, Riley LW, Lu S. Survival characteristics of *Salmonella enterica* serovar *Enteritidis* in chicken egg albumen. Epidemiol Infect 2006; **134(5)**: 967-76.

Kosmider R, Kelly L, Evans S, Gettinby G. A statistical system for detecting *Salmonella* outbreaks in British livestock. Epidemiol Infect 2006; **134(5)**: 952-60.

STEC

Orth D, Grif K, Fisher I, Fruth A, Tschape H, Scheutz F, Dierich MP, Wurzner R. Emerging Shiga Toxin-Producing *Escherichia coli* serotypes in Europe: O100:H- and O127:H40. Curr Microbiol 2006 Oct 19: Epub ahead of print.

Ramteke PW, Tewari S. Serogroups of *Escherichia coli* from drinking water. Environ Monit Assess 2006 Oct 21: Epub ahead of print.

Espie E, Grimont F, Vaillant V, Montet MP, Carle I, Bavai C, de Valk H, Vernozy-Rozand C. O148 Shiga toxin-producing *Escherichia coli* outbreak: microbiological investigation as a useful complement to epidemiological investigation. Clin Microbiol Infec 2006; **12(10)**: 992-8.

Wickham ME, Lupp C, Mascarenhas M, Vazquez A, Coombes BK, Brown NF, Coburn BA, Deng W, Puente JL, Karmali MA, Finlay BB. Bacterial genetic determinants of non-O157 STEC outbreaks and haemolytic-uremic syndrome after infection. J Infect Dis 2006; **194(6)**: 819-27.

Beutin L. Emerging enterohaemorrhagic *Escherichia coli*, causes and effects of the risk of a human pathogen. J Vet Med B Infect Dis Vet Public Health 2006; **53(7)**: 299-305.

Barlow RS, Gobius KS, Desmarchelier PM. Shiga toxin-producing *Escherichia coli* in ground beef and lamb cuts: results on a one-year study. *Int J Food Microbiol* 2006; **111(1)**: 1-5.

Toxoplasma

Lefevre-Pettazzoni M, Le Cam S, Wallon M, Peyron F. Delayed maturation of immunoglobulin G avidity: implication for the diagnosis of toxoplasmosis in pregnant women. *Eur J Clin Microbiol Infect Dis* 2006; Sep 26. Epub ahead of print.

Lang C, Gross U, Luder CG. Subversion of innate and adaptive immune responses by *Toxoplasma Gondii*. *Parasitol Res* 2006; Oct 6. Epub ahead of print.

Barsoum RS. Parasitic infections in transplant recipients. *Nat Clin Pract Nephrol* 2006; **2(9)**: 490-503.

Sharif M, Gholami S, Ziaei H, Daryani A, Laktarashi B, Ziapour SP, Rafiei A, Vahedi M. Seroprevalence of *Toxoplasma gondii* in cattle, sheep and goats slaughtered for food in Mazandaran province, Iran, during 2005. *Vet J* 2006; Aug 17. Epub ahead of print.

Dumetre A, Ajzenberg D, Rozette L, Mercier A, Darde ML. *Toxoplasma gondii* infection in sheep from Haute-Vienne, France: Seroprevalence and isolate genotyping by microsatellite analysis. *Vet Parasitol* 2006; Aug 17. Epub ahead of print.

Buzoni-Gatel D, Werts C. *Toxoplasma gondii* and subversion of the immune system. *Trends Parasitol* 2006; **22(10)**: 448-52.

Hill DE, Chirukandoth S, Dubey JP, Lunney JK, Gamble HR. Comparison of detection methods for *Toxoplasma gondii* in naturally and experimentally infected swine. *Vet Parasitol* 2006; **141(1-2)**: 9-17.

Dubey JP, Patitucci AN, Su C, Sundar N, Kwok OC, Shen SK. Characterization of *Toxoplasma gondii* isolates in free-range chickens from Chile, South America. *Vet Parasitol* 2006; **140(1-2)**: 76-82.

VTEC

von Muffling T, Smajilovic M, Nowak B, Sammet K, Bulte M, Klein G. Preliminary study of certain serotypes, genetic and antimicrobial resistance profiles of verotoxigenic *Escherichia coli* (VTEC) isolated in Bosnia and Germany from cattle or pigs and their products. *Int J Food Microbiol* 2006 Sept 27; Epub ahead of print.