

## ADVISORY COMMITTEE ON THE MICROBIOLOGICAL SAFETY OF FOOD

Items of possible interest from the literature**Bacillus cereus**

Ceuppens S, Rajkovic A, Heyndrickx M, Tsilia V, Van De Wiele T, Boon N, Uyttendaele M. Regulation of toxin production by *Bacillus cereus* and its food safety implications. Crit Rev Microbiol. 2011 Mar 22. [Epub ahead of print]

Ceuppens S, Van De Wiele T, Boon N, Uyttendaele M. Gastrointestinal passage of *Bacillus cereus*. Commun Agric Appl Biol Sci. 2011;76(1):3-6.

Kim JB, Kim JM, Cho SH, Oh HS, Choi NJ, Oh DH. Toxin genes profiles and toxin production ability of *Bacillus cereus* isolated from clinical and food samples. J Food Sci. 2011 Jan;76(1):T25-9.

Mols M, Abee T. *Bacillus cereus* responses to acid stress. Environ Microbiol. 2011 May 9. doi: 10.1111/j.1462-2920.2011.02490.x. [Epub ahead of print]

Mols M, Abee T. Primary and secondary oxidative stress in *Bacillus*. Environ Microbiol. 2011 Jun;13(6):1387-94.

Tourasse NJ, Helgason E, Klevan A, Sylvestre P, Moya M, Haustant M, Økstad OA, Fouet A, Mock M, Kolstø AB. Extended and global phylogenetic view of the *Bacillus cereus* group population by combination of MLST, AFLP, and MLEE genotyping data. Food Microbiol. 2011 Apr;28(2):236-44.

**Campylobacter**

Al-Qadiri HM, Lu X, Al-Alami NI, Rasco BA. Survival of *Escherichia coli* O157:H7 and *Campylobacter jejuni* in bottled purified drinking water under different storage conditions. J Food Prot. 2011 Feb;74(2):254-60.

Allen VM, Ridley AM, Harris JA, Newell DG, Powell L. Influence of production system on the rate of onset of *Campylobacter* colonization in chicken flocks reared extensively in the United Kingdom. Br Poult Sci. 2011 Feb;52(1):30-9.

Almofti YA, Dai M, Sun Y, Haihong H, Yuan Z. Impact of erythromycin resistance on the virulence properties and fitness of *Campylobacter jejuni*. Microb Pathog. 2011 Jun;50(6):336-42.

Alter T, Weber RM, Hamedy A, Glünder G. Carry-over of thermophilic *Campylobacter* spp. between sequential and adjacent poultry flocks. Vet Microbiol. 2011 Janus 10;147(1-2):90-5.

Arsenault J, Ravel A, Michel P, Berke O, Gosselin P. Do patients with recurrent episodes of campylobacteriosis differ from those with a single disease event? BMC Public Health. 2011 Jan 12;11:32.

Balamurugan S, Nattress FM, Baker LP, Dilts BD. Survival of *Campylobacter jejuni* on beef and pork under vacuum packaged and retail storage conditions: Examination of the role of natural meat microflora on *C. jejuni* survival. Food Microbiol. 2011 Aug;28(5):1003-10.

Bezirtzoglou C, Dekas K, Charvalos E. Climate changes, environment and infection: Facts, scenarios and growing awareness from the public health community within Europe. Anaerobe. 2011 Jun 2. [Epub ahead of print]

Boysen L, Vigre H, Rosenquist H. Seasonal influence on the prevalence of thermotolerant *Campylobacter* in retail broiler meat in Denmark. Food Microbiol. 2011 Aug;28(5):1028-32.

Bullman S, Corcoran D, O'Leary J, Lucey B, Byrne D, Sleator RD. *Campylobacter ureolyticus*: an emerging gastrointestinal pathogen? FEMS Immunol Med Microbiol. 2011 Mar;61(2):228-30.

Byrd JA, Sams AR, Hargis BM, Caldwell DJ. Effect of selected modified atmosphere packaging on *Campylobacter* survival in raw poultry. Poult Sci. 2011 Jun;90(6):1324-8.

Conlan AJ, Line JE, Hiatt K, Coward C, Van Diemen PM, Stevens MP, Jones MA, Gog JR, Maskell DJ. Transmission and dose-response experiments for social animals: a reappraisal of the colonization biology of *Campylobacter jejuni* in chickens. J R Soc Interface. 2011 May 18. [Epub ahead of print]

Connerton PL, Timms AR, Connerton IF. *Campylobacter* bacteriophages and bacteriophage therapy. J Appl Microbiol. 2011 Mar 29. doi:10.1111/j.1365-2672.2011.05012.x.

Drenthen J, Yuki N, Meulstee J, Maathuis EM, van Doorn PA, Visser GH, Blok JH, Jacobs BC. Guillain-Barré syndrome subtypes related to *Campylobacter* infection. J Neurol Neurosurg Psychiatry. 2011 Mar;82(3):300-5.

Eideh AM, Al-Qadiri HM. Effect of Refrigerated and Frozen Storage on the Survival of *Campylobacter jejuni* in Cooked Chicken Meat Breast. J Food Sci. 2011 Jan;76(1):M17-21.

Hardy CG, Lackey LG, Cannon J, Price LB, Silbergeld EK. Prevalence of potentially neuropathic *Campylobacter jejuni* strains on commercial broiler chicken products. Int J Food Microbiol. 2011 Feb 28;145(2-3):395-9.

Hastings R, Colles FM, McCarthy ND, Maiden MC, Sheppard SK. *Campylobacter* genotypes from poultry transportation crates indicate a source of contamination and transmission. J Appl Microbiol. 2011 Jan;110(1):266-76.

Haughton PN, Lyng JG, Cronin DA, Morgan DJ, Fanning S, Whyte P. Efficacy of UV light treatment for the microbiological decontamination of chicken, associated packaging, and contact surfaces. *J Food Prot.* 2011 Apr;74(4):565-72.

Hermans D, Van Deun K, Messens W, Martel A, Van Immerseel F, Haesebrouck F, Rasschaert G, Heyndrickx M, Pasmans F. *Campylobacter* control in poultry by current intervention measures ineffective: Urgent need for intensified fundamental research. *Vet Microbiol.* 2011 Mar 16. [Epub ahead of print]

Ingmer H. Challenges of *Campylobacter jejuni* in poultry production. *Int J Food Microbiol.* 2011 Mar 1;145 Suppl 1:S110.

Jennings JL, Sait LC, Perrett CA, Foster C, Williams LK, Humphrey TJ, Cogan TA. *Campylobacter jejuni* is associated with, but not sufficient to cause vibriotic hepatitis in chickens. *Vet Microbiol.* 2011 Apr 21;149(1-2):193-9.

Jorgensen F, Ellis-Iversen J, Rushton S, Bull SA, Harris SA, Bryan SJ, Gonzalez A, Humphrey TJ. Influence of Season and Geography on *Campylobacter jejuni* and *C. coli* Subtypes in Housed Broiler Flocks Reared in Great Britain. *Appl Environ Microbiol.* 2011 Jun;77(11):3741-8.

Kirk MD, Lalor K, Raupach J, Combs B, Stafford R, Hall GV, Becker N. Food-and waterborne disease outbreaks in Australian long-term care facilities, 2001-2008. *Foodborne Pathog Dis.* 2011 Jan;8(1):133-9.

Kittl S, Kuhnert P, Hächler H, Korczak BM. Comparison of genotypes and antibiotic resistance of *Campylobacter jejuni* isolated from humans and slaughtered chickens in Switzerland. *J Appl Microbiol.* 2011 Feb;110(2):513-520.

Larsen IK, Gradel KO, Helms M, Hornstrup MK, Jürgens G, Mens H, Rosager CL, Clausen TH, Kronborg G, Nielsen H. Non-typhoidal *Salmonella* and *Campylobacter* infections among HIV-positive patients in Denmark. *Scand J Infect Dis.* 2011 Jan;43(1):3-7.

Messelhäusser U, Thäringen D, Elmer-Englhard D, Bauer H, Schreiner H, Höller C. Occurrence of Thermotolerant *Campylobacter* spp. on Eggshells: a Missing Link for Food-Borne Infections? *Appl Environ Microbiol.* 2011 Jun;77(11):3896-7.

Moorhead SM, Griffiths MW. Expression and characterization of cell-signalling molecules in *Campylobacter jejuni*. *J Appl Microbiol.* 2011 Mar;110(3):786-800.

Moran L, Kelly C, Cormican M, McGettrick S, Madden RH. Restoring the selectivity of Bolton broth during enrichment for *Campylobacter* spp. from raw chicken. *Lett Appl Microbiol.* 2011 Jun;52(6):614-8.

Nguyen VT, Turner MS, Dykes GA. Influence of cell surface hydrophobicity on attachment of *Campylobacter* to abiotic surfaces. *Food Microbiol.* 2011 Aug;28(5):942-50.

O'Leary AM, Whyte P, Madden RH, Cormican M, Moore JE, Mc Namara E, Mc Gill K, Kelly L, Cowley D, Moran L, Scates P, Collins JD, Carroll CV. Pulsed field gel electrophoresis typing of human and retail foodstuff *Campylobacters*: an Irish perspective. *Food Microbiol.* 2011 May;28(3):426-33.

Patriarchi A, Fox A, Maunsell B, Fanning S, Bolton D. Molecular characterization and environmental mapping of *Campylobacter* isolates in a subset of intensive poultry flocks in Ireland. *Foodborne Pathog Dis.* 2011 Jan;8(1):99-108.

Ranta J, Matjushin D, Virtanen T, Kuusi M, Viljugrein H, Hofshagen M, Hakkinen M. Bayesian Temporal Source Attribution of Foodborne Zoonoses: *Campylobacter* in Finland and Norway. *Risk Anal.* 2011 Jan 13. doi:10.1111/j.1539-6924.2010.01558.x. [Epub ahead of print]

Smigic N, Rajkovic A, Arneborg N, Siegumfeldt H, Devlieghere F, Nielsen DS. Intracellular pH in *Campylobacter jejuni* when treated with aqueous chlorine dioxide. *Foodborne Pathog Dis.* 2011 Feb;8(2):325-8.

Tang JY, Nishibuchi M, Nakaguchi Y, Ghazali FM, Saleha AA, Son R. Transfer of *Campylobacter jejuni* from raw to cooked chicken via wood and plastic cutting boards. *Lett Appl Microbiol.* 2011 Jun;52(6):581-8.

Verhoeff-Bakkenes L, Jansen HA, in 't Veld PH, Beumer RR, Zwietering MH, van Leusden FM. Consumption of raw vegetables and fruits: a risk factor for *Campylobacter* infections. *Int J Food Microbiol.* 2011 Jan 5;144(3):406-12.

Zautner AE, Herrmann S, Corso J, Tareen AM, Alter T, Gross U. Epidemiological association of different *Campylobacter jejuni* groups with metabolism-associated genetic markers. *Appl Environ Microbiol.* 2011 Apr;77(7):2359-65.

Zeitouni S, Kempf I. Fitness Cost of Fluoroquinolone Resistance in *Campylobacter coli* and *Campylobacter jejuni*. *Microb Drug Resist.* 2011 Jun;17(2):171-9.

### **Clostridium**

Augustin JC. Challenges in risk assessment and predictive microbiology of foodborne spore-forming bacteria. *Food Microbiol.* 2011 Apr;28(2):209-13.

Brooks CE, Clarke HJ, Graham DA, Ball HJ. Diagnosis of botulism types C and D in cattle by a monoclonal antibody-based sandwich ELISA. *Vet Rec.* 2011 Apr 30;168(17):455.

Carter AT, Pearson BM, Crossman LC, Drou N, Heavens D, Baker D, Febrer M, Caccamo M, Grant KA, Peck MW. Complete genome sequence of the proteolytic *Clostridium botulinum* type A5 (B3') strain H04402 065. *J Bacteriol.* 2011 May;193(9):2351-2.

Fallani M, Amarri S, Uusijarvi A, Adam R, Khanna S, Aguilera M, Gil A, Vieites JM, Norin E, Young D, Scott JA, Doré J, Edwards CA; INFABIO team. Determinants of the human infant intestinal microbiota after the introduction of first complementary foods in infant samples from five European centres. *Microbiology*. 2011 May;157(Pt 5):1385-92.

Haneklaus AN, Harris KB, Márquez-González M, Lucia LM, Castillo A, Hardin MD, Osburn WN, Savell JW. Alternative cooling procedures for large, intact meat products to achieve stabilization microbiological performance standards. *J Food Prot*. 2011 Jan;74(1):101-5.

Hibberd MC, Neumann AP, Rehberger TG, Siragusa GR. Multilocus sequence typing subtypes of poultry *Clostridium perfringens* isolates demonstrate disease niche partitioning. *J Clin Microbiol*. 2011 Apr;49(4):1556-67.

Jackson AL, Sullivan GA, Kulchaiyawat C, Sebranek JG, Dickson JS. Survival and growth of *Clostridium perfringens* in commercial no-nitrate-or-nitrite-added (natural and organic) frankfurters, hams, and bacon. *J Food Prot*. 2011 Mar;74(3):410-6.

Juneja VK, Marks H, Huang L, Thippareddi H. Predictive model for growth of *Clostridium perfringens* during cooling of cooked uncured meat and poultry. *Food Microbiol*. 2011 Jun;28(4):791-5.

Lindström M, Heikinheimo A, Lahti P, Korkeala H. Novel insights into the epidemiology of *Clostridium perfringens* type A food poisoning. *Food Microbiol*. 2011 Apr;28(2):192-8.

Malakar PK, Barker GC, Peck MW. Quantitative risk assessment for hazards that arise from non-proteolytic *Clostridium botulinum* in minimally processed chilled dairy-based foods. *Food Microbiol*. 2011 Apr;28(2):321-30.

Payne JH, Hogg RA, Otter A, Roest HI, Livesey CT. Emergence of suspected type D botulism in ruminants in England and Wales (2001 to 2009), associated with exposure to broiler litter. *Vet Rec*. 2011 Jun 7. [Epub ahead of print]

Peck MW, Stringer SC, Carter AT. *Clostridium botulinum* in the post-genomic era. *Food Microbiol*. 2011 Apr;28(2):183-91. Epub 2010 Mar 17. Review.

Schmitz JE, Ossiprandi MC, Rumah KR, Fischetti VA. Lytic enzyme discovery through multigenomic sequence analysis in *Clostridium perfringens*. *Appl Microbiol Biotechnol*. 2011 Mar;89(6):1783-95.

Stringer SC, Webb MD, Peck MW. Lag time variability in individual spores of *Clostridium botulinum*. *Food Microbiol*. 2011 Apr;28(2):228-35.

### **E.coli O157, EHEC, VTEC, STEC**

Arthur TM, Nou X, Kalchayanand N, Bosilevac JM, Wheeler T, Koohmaraie M. Survival of *Escherichia coli* O157:H7 on cattle hides. *Appl Environ Microbiol*. 2011 May;77(9):3002-8.

Askar M, Faber M, Frank C, Bernard H, Gilsdorf A, Fruth A, Prager R, Hohle M, Suess T, Wadl M, Krause G, Stark K, Werber D. Update on the ongoing outbreak of haemolytic uraemic syndrome due to Shiga toxin-producing *Escherichia coli* (STEC) serotype O104, Germany, May 2011. *Euro Surveill.* 2011 Jun 2;16(22).

Bang J, Kim H, Kim H, Beuchat LR, Ryu JH. Combined effects of chlorine dioxide, drying, and dry heat treatments in inactivating microorganisms on radish seeds. *Food Microbiol.* 2011 Feb;28(1):114-8.

Biscola FT, Abe CM, Guth BE. Determination of adhesin gene sequences in, and biofilm formation by, O157 and non-O157 Shiga toxin-producing *Escherichia coli* strains isolated from different sources. *Appl Environ Microbiol.* 2011 Apr;77(7):2201-8.

Bolton DJ, Monaghan A, Byrne B, Fanning S, Sweeney T, McDowell DA. Incidence and survival of non-O157 verocytotoxigenic *Escherichia coli* in soil. *J Appl Microbiol.* 2011 May 20. doi: 10.1111/j.1365-2672.2011.05057.x. [Epub ahead of print]

Bosilevac JM, Koohmaraie M. Prevalence and characterization of non-O157 shiga toxin-producing *Escherichia coli* isolates from commercial ground beef in the United States. *Appl Environ Microbiol.* 2011 Mar;77(6):2103-12.

Bradshaw SE. Risk factors: Patients infected with *Escherichia coli* O157:H7 face long-term health risks. *Nat Rev Nephrol.* 2011 Feb;7(2):64.

Brigotti M, Tazzari PL, Ravanelli E, Carnicelli D, Rocchi L, Arfilli V, Scavia G, Minelli F, Ricci F, Pagliaro P, Ferretti AV, Pecoraro C, Paglialonga F, Edefonti A, Procaccino MA, Tozzi AE, Caprioli A. Clinical relevance of shiga toxin concentrations in the blood of patients with hemolytic uremic syndrome. *Pediatr Infect Dis J.* 2011 Jun;30(6):486-90.

Cobbaut K, Houf K, Boyen F, Haesebrouck F, De Zutter L. Genotyping and Antimicrobial Resistance Patterns of *Escherichia coli* O157 Originating from Cattle Farms. *Foodborne Pathog Dis.* 2011 Jun;8(6):719-24.

Crane JK, Byrd IW, Boedeker EC. Virulence inhibition by zinc in shiga-toxigenic *Escherichia coli*. *Infect Immun.* 2011 Apr;79(4):1696-705.

Danyluk MD, Schaffner DW. Quantitative assessment of the microbial risk of leafy greens from farm to consumption: preliminary framework, data, and risk estimates. *J Food Prot.* 2011 May;74(5):700-8.

Eurosurveillance editorial team. Information resources and latest news about the Shiga toxin-producing *Escherichia coli* (STEC) outbreak in Germany available from ECDC. *Euro Surveill.* 2011 Jun 9;16(23).

Eurosurveillance editorial team. EFSA publishes scientific report on the public health risk of Shiga-toxin producing *Escherichia coli* (STEC) in fresh vegetables. *Euro Surveill.* 2011 Jun 9;16(23).

Evans J, Knight H, McKendrick IJ, Stevenson H, Varo Barbudo A, Gunn GJ, Low JC. Prevalence of *Escherichia coli* O157: H7 and serogroups O26, O103, O111 and O145 in sheep presented for slaughter in Scotland. *J Med Microbiol.* 2011 May;60(Pt 5):653-60.

Feng PC, Councell T, Keys C, Monday SR. Virulence characterization of Shiga-toxigenic *Escherichia coli* isolates from wholesale produce. *Appl Environ Microbiol.* 2011 Jan;77(1):343-5.

Ferens WA, Hovde CJ. *Escherichia coli* O157:H7: animal reservoir and sources of human infection. *Foodborne Pathog Dis.* 2011 Apr;8(4):465-87.

Hosein AM, Breidt F Jr, Smith CE. Modeling the effects of sodium chloride, acetic acid, and intracellular pH on survival of *Escherichia coli* O157:H7. *Appl Environ Microbiol.* 2011 Feb;77(3):889-95.

Ibekwe AM, Papiernik SK, Grieve CM, Yang CH. Quantification of Persistence of *Escherichia coli* O157:H7 in Contrasting Soils. *Int J Microbiol.* 2011;2011. pii: 421379. Epub 2010 Sep 8.

Imamovic L, Muniesa M. Quantification and evaluation of infectivity of shiga toxin-encoding bacteriophages in beef and salad. *Appl Environ Microbiol.* 2011 May;77(10):3536-40.

Locking ME, Pollock KG, Allison LJ, Rae L, Hanson MF, Cowden JM. *Escherichia coli* O157 infection and secondary spread, Scotland, 1999-2008. *Emerg Infect Dis.* 2011 Mar;17(3):524-7.

Luo Y, Nou X, Yang Y, Alegre I, Turner E, Feng H, Abadias M, Conway W. Determination of free chlorine concentrations needed to prevent *Escherichia coli* O157:H7 cross-contamination during fresh-cut produce wash. *J Food Prot.* 2011 Mar;74(3):352-8.

Rekow CL, Brashears MM, Brooks JC, Loneragan GH, Gragg SE, Miller MF. Implementation of targeted interventions to control *Escherichia coli* O157:H7 in a commercial abattoir. *Meat Sci.* 2011 Apr;87(4):361-5.

Rodríguez FP, Campos D, Ryser ET, Buchholz AL, Posada-Izquierdo GD, Marks BP, Zurera G, Todd E. A mathematical risk model for *Escherichia coli* O157:H7 cross-contamination of lettuce during processing. *Food Microbiol.* 2011 Jun;28(4):694-701.

Rump LV, Strain EA, Cao G, Allard MW, Fischer M, Brown EW, Gonzalez-Escalona N. Draft genome sequences of six *Escherichia coli* isolates from the stepwise model of emergence of *Escherichia coli* O157:H7. *J Bacteriol.* 2011 Apr;193(8):2058-9.

Sodha SV, Lynch M, Wannemuehler K, Leeper M, Malavet M, Schaffzin J, Chen T, Langer A, Glenshaw M, Hoefler D, Dumas N, Lind L, Iwamoto M, Ayers T, Nguyen T, Biggerstaff M, Olson C, Sheth A, Braden C. Multistate outbreak of *Escherichia coli* O157:H7 infections associated with a national fast-food chain, 2006: a study

incorporating epidemiological and food source traceback results. *Epidemiol Infect.* 2011 Feb;139(2):309-16.

Stanford K, Stephens TP, McAllister TA. Use of model super-shedders to define the role of pen floor and hide contamination in the transmission of *Escherichia coli* O157:H7. *J Anim Sci.* 2011 Jan;89(1):237-44.

Tariq L, Haagsma J, Havelaar A. Cost of illness and disease burden in The Netherlands due to infections with Shiga toxin-producing *Escherichia coli* O157. *J Food Prot.* 2011 Apr;74(4):545-52.

Taylor EV, Shi X, Alam MJ, Peterson G, Narayanan SK, Renter DG, Nagaraja TG. Genetic variations in Shiga toxin-producing abilities of bovine and human *Escherichia coli* O157:H7. *Zoonoses Public Health.* 2011 May;58(3):185-91.

van Elsas JD, Semenov AV, Costa R, Trevors JT. Survival of *Escherichia coli* in the environment: fundamental and public health aspects. *ISME J.* 2011 Feb;5(2):173-83.

### **Listeria**

Augustin JC, Bergis H, Midelet-Bourdin G, Cornu M, Couvert O, Denis C, Huchet V, Lemonnier S, Pinon A, Vialette M, Zuliani V, Stahl V. Design of challenge testing experiments to assess the variability of *Listeria monocytogenes* growth in foods. *Food Microbiol.* 2011 Jun;28(4):746-54.

Belessi CE, Gounadaki AS, Psomas AN, Skandamis PN. Efficiency of different sanitation methods on *Listeria monocytogenes* biofilms formed under various environmental conditions. *Int J Food Microbiol.* 2011 Mar 1;145 Suppl 1:S46-52.

Belessi CI, Le Marc Y, Merkouri SI, Gounadaki AS, Schwartzman S, Jordan K, Drosinos EH, Skandamis PN. Adaptive growth responses of *Listeria monocytogenes* to acid and osmotic shifts above and across the growth boundaries. *J Food Prot.* 2011 Jan;74(1):78-85.

Bundrant BN, Hutchins T, den Bakker HC, Fortes E, Wiedmann M. Listeriosis outbreak in dairy cattle caused by an unusual *Listeria monocytogenes* serotype 4b strain. *J Vet Diagn Invest.* 2011 Jan;23(1):155-8.

Carpentier B, Cerf O. Review--Persistence of *Listeria monocytogenes* in food industry equipment and premises. *Int J Food Microbiol.* 2011 Jan 31;145(1):1-8..

Chen S, Li J, Saleh-Lakha S, Allen V, Odumeru J. Multiple-locus variable number of tandem repeat analysis (MLVA) of *Listeria monocytogenes* directly in food samples. *Int J Food Microbiol.* 2011 Jul 15;148(1):8-14.

Chen Y, Strain EA, Allard M, Brown EW. Genome Sequences of *Listeria monocytogenes* Strains J1816 and J1-220, Associated with Human Outbreaks. *J Bacteriol.* 2011 Jul;193(13):3424-5.



Coetzee N, Laza-Stanca V, Orendi J, Harvey S, Elviss N, Grant K. A cluster of *Listeria monocytogenes* infections in hospitalised adults, Midlands, England, February 2011. *Euro Surveill*. 2011 May 19;16(20). pii: 19869.

Cokes C, France AM, Reddy V, Hanson H, Lee L, Kornstein L, Stavinsky F, Balter S. Serving high-risk foods in a high-risk setting: survey of hospital food service practices after an outbreak of listeriosis in a hospital. *Infect Control Hosp Epidemiol*. 2011 Apr;32(4):380-6.

Ellouze M, Gauchi JP, Augustin JC. Use of global sensitivity analysis in quantitative microbial risk assessment: application to the evaluation of a biological time temperature integrator as a quality and safety indicator for cold smoked salmon. *Food Microbiol*. 2011 Jun;28(4):755-69.

Feldman C, Nothstein G, Somaiya CK, Obeidallah H, Silverthorne E, Wunderlich S, Goodey NM. An exploratory investigation of the risk of pathogenic contamination at selected New Jersey skilled nursing and assisted living residences. *Perspect Public Health*. 2011 Mar;131(2):85-8.

Fox E, Hunt K, O'Brien M, Jordan K. *Listeria monocytogenes* in Irish Farmhouse cheese processing environments. *Int J Food Microbiol*. 2011 Mar 1;145 Suppl 1:S39-45.

Fox EM, Leonard N, Jordan K. Molecular Diversity of *Listeria monocytogenes* Isolated from Irish Dairy Farms. *Foodborne Pathog Dis*. 2011 May;8(5):635-41.

Guevara L, Martínez A, Fernández PS, Muñoz-Cuevas M. Comparison of probabilistic and deterministic predictions of time to growth of *Listeria monocytogenes* as affected by pH and temperature in food. *Foodborne Pathog Dis*. 2011 Jan;8(1):141-8.

Haug MC, Tanner SA, Lacroix C, Stevens MJ, Meile L. Monitoring horizontal antibiotic resistance gene transfer in a colonic fermentation model. *FEMS Microbiol Ecol*. 2011 Jun 9. doi: 10.1111/j.1574-6941.2011.01149.x. [Epub ahead of print]

Hwang CA, Sheen S. Growth characteristics of *Listeria monocytogenes* as affected by a native microflora in cooked ham under refrigerated and temperature abuse conditions. *Food Microbiol*. 2011 May;28(3):350-5.

Lamont RF, Sobel J, Mazaki-Tovi S, Kusanovic JP, Vaisbuch E, Kim SK, Uldbjerg N, Romero R. Listeriosis in human pregnancy: a systematic review. *J Perinat Med*. 2011 May;39(3):227-36.

Lungu B, O'Bryan CA, Muthaiyan A, Milillo SR, Johnson MG, Crandall PG, Ricke SC. *Listeria monocytogenes*: Antibiotic Resistance in Food Production. *Foodborne Pathog Dis*. 2011 May;8(5):569-78.

McLaughlin HP, Casey PG, Cotter J, Gahan CG, Hill C. Factors affecting survival of *Listeria monocytogenes* and *Listeria innocua* in soil samples. *Arch Microbiol*. 2011 May 25. [Epub ahead of print]

McLaughlin HP, Hill C, Gahan CG. The impact of iron on *Listeria monocytogenes*; inside and outside the host. *Curr Opin Biotechnol*. 2011 Apr;22(2):194-9.

Mook P, O'Brien SJ, Gillespie IA. Concurrent conditions and human listeriosis, England, 1999-2009. *Emerg Infect Dis*. 2011 Jan;17(1):38-43.

Orsi RH, den Bakker HC, Wiedmann M. *Listeria monocytogenes* lineages: Genomics, evolution, ecology, and phenotypic characteristics. *Int J Med Microbiol*. 2011 Feb;301(2):79-96.

Rohde JR. Microbiology. *Listeria* unwinds host DNA. *Science*. 2011 Mar 11;331(6022):1271-2.

Rossmann P, Wagner M. The challenge to quantify *Listeria monocytogenes* - a model leading to new aspects in molecular biological food pathogen detection. *J Appl Microbiol*. 2011 Mar;110(3):605-17.

Sheen S, Hwang CA, Juneja VK. Modeling the impact of chlorine on the behaviour of *Listeria monocytogenes* on ready-to-eat meats. *Food Microbiol*. 2011 Aug;28(5):1095-100.

Singh AK, Ulanov AV, Li Z, Jayaswal RK, Wilkinson BJ. Metabolomes of the psychrotolerant bacterium *Listeria monocytogenes* 10403S grown at 37°C and 8°C. *Int J Food Microbiol*. 2011 May 18. [Epub ahead of print]

Wałęcka E, Molenda J, Karpíšková R, Bania J. Effect of Heat Exposure on Invasiveness of *Listeria monocytogenes* Strains. *Foodborne Pathog Dis*. 2011 Mar 7. [Epub ahead of print]

Wałęcka E, Molenda J, Karpíšková R, Bania J. Effect of osmotic stress and culture density on invasiveness of *Listeria monocytogenes* strains. *Int J Food Microbiol*. 2011 Jan 5;144(3):440-5.

### **Norovirus**

Baker K, Morris J, McCarthy N, Saldana L, Lowther J, Collinson A, Young M. An outbreak of norovirus infection linked to oyster consumption at a UK restaurant, February 2010. *J Public Health (Oxf)*. 2011 Jun;33(2):205-11.

Bienfang PK, Defelice SV, Laws EA, Brand LE, Bidigare RR, Christensen S, Trapido-Rosenthal H, Hemscheidt TK, McGillicuddy DJ, Anderson DM, Solo-Gabriele HM, Boehm AB, Backer LC. Prominent human health impacts from several marine microbes: history, ecology, and public health implications. *Int J Microbiol*. 2011;2011:152815.

Boxman IL, Verhoef L, Dijkman R, Hägele G, Te Loeke NA, Koopmans M. Year-round prevalence of norovirus in the environment of catering companies without a recently reported outbreak of gastroenteritis. *Appl Environ Microbiol*. 2011 May;77(9):2968-74.

Bull RA, White PA. Mechanisms of GII.4 norovirus evolution. *Trends Microbiol.* 2011 May;19(5):233-40.

Eckardt AJ, Baumgart DC. Viral gastroenteritis in adults. *Recent Pat Antiinfect Drug Discov.* 2011 Jan 1;6(1):54-63. Review.

Galmés Truyols A, Duran JG, Riutort AN, Cerdá GA, Isabel CB, Arbona MP, Berga JV. [Norovirus outbreak in Majorca (Spain) associated with oyster consumption]. *Gac Sanit.* 2011 Mar-Apr;25(2):173-5. Spanish.

Gregory JB, Webster LF, Griffith JF, Stewart JR. Improved detection and quantitation of norovirus from water. *J Virol Methods.* 2011 Mar;172(1-2):38-45.

Hirneisen KA, Markland SM, Kniel KE. Ozone inactivation of norovirus surrogates on fresh produce. *J Food Prot.* 2011 May;74(5):836-9.

Horn KM, D'Souza DH. Survival of human norovirus surrogates in milk, orange, and pomegranate juice, and juice blends at refrigeration (4 °C). *Food Microbiol.* 2011 Aug;28(5):1054-61.

Jean J, Morales-Rayas R, Anoman MN, Lamhoujeb S. Inactivation of hepatitis A virus and norovirus surrogate in suspension and on food-contact surfaces using pulsed UV light (pulsed light inactivation of food-borne viruses). *Food Microbiol.* 2011 May;28(3):568-72.

Kimura H, Nagano K, Kimura N, Shimizu M, Ueno Y, Morikane K, Okabe N. A norovirus outbreak associated with environmental contamination at a hotel. *Epidemiol Infect.* 2011 Feb;139(2):317-25.

Kroneman A, Vennema H, Deforche K, Avoort HV, Peñaranda S, Oberste MS, Vinjé J, Koopmans M. An automated genotyping tool for enteroviruses and noroviruses. *J Clin Virol.* 2011 Jun;51(2):121-5.

Liu J, Kibiki G, Maro V, Maro A, Kumburu H, Swai N, Taniuchi M, Gratz J, Toney D, Kang G, Houpt E. Multiplex reverse transcription PCR Luminex assay for detection and quantitation of viral agents of gastroenteritis. *J Clin Virol.* 2011 Apr;50(4):308-13.

Lou F, Neetoo H, Chen H, Li J. Inactivation of a human norovirus surrogate by high-pressure processing: effectiveness, mechanism, and potential application in the fresh produce industry. *Appl Environ Microbiol.* 2011 Mar;77(5):1862-71.

Maalouf H, Schaeffer J, Parnaudeau S, Le Pendu J, Atmar RL, Crawford SE, Le Guyader FS. Strain-dependent norovirus bioaccumulation in oysters. *Appl Environ Microbiol.* 2011 May;77(10):3189-96.

Mattison K. Norovirus as a foodborne disease hazard. *Adv Food Nutr Res.* 2011;62:1-39.

Mattison K, Corneau N, Berg I, Bosch A, Duizer E, Gutiérrez-Aguirre I, L'homme Y, Lucero Y, Luo Z, Martyres A, Myrmel M, O'Ryan M, Pagotto F, Sano D, Svraka S, Urzua U, Bidawid S. Development and validation of a microarray for the confirmation and typing of norovirus RT-PCR products. *J Virol Methods*. 2011 May;173(2):233-50.

Medrano-Félix A, Martínez C, Castro-del Campo N, León-Félix J, Peraza-Garay F, Gerba CP, Chaidez C. Impact of prescribed cleaning and disinfectant use on microbial contamination in the home. *J Appl Microbiol*. 2011 Feb;110(2):463-71.

Mesquita JR, Vaz L, Cerqueira S, Castilho F, Santos R, Monteiro S, Manso CF, Romalde JL, Nascimento MS. Norovirus, hepatitis A virus and enterovirus presence in shellfish from high quality harvesting areas in Portugal. *Food Microbiol*. 2011 Aug;28(5):936-41.

Nowak P, Topping JR, Fotheringham V, Gallimore CI, Gray JJ, Iturriza-Gómara M, Knight AI. Measurement of the virolysis of human GII.4 norovirus in response to disinfectants and sanitisers. *J Virol Methods*. 2011 Jun;174(1-2):7-11.

Pecson BM, Ackermann M, Kohn T. Framework for using quantitative PCR as a nonculture based method to estimate virus infectivity. *Environ Sci Technol*. 2011 Mar 15;45(6):2257-63.

Pham NT, Chan-It W, Khamrin P, Nishimura S, Kikuta H, Sugita K, Baba T, Yamamoto A, Shimizu H, Okitsu S, Mizuguchi M, Ushijima H. Detection of human parechovirus in stool samples collected from children with acute gastroenteritis in Japan during 2007-2008. *J Med Virol*. 2011 Feb;83(2):331-6.

Predmore A, Li J. Enhanced Sanitization of a Human Norovirus Surrogate in Fresh Vegetables and Fruits by a Combination of Surfactants and Sanitizers. *Appl Environ Microbiol*. 2011 May 27. [Epub ahead of print]

Sarvikivi E, Roivainen M, Maunula L, Niskanen T, Korhonen T, Lappalainen M, Kuusi M. Multiple norovirus outbreaks linked to imported frozen raspberries. *Epidemiol Infect*. 2011 Mar 22:1-8. [Epub ahead of print]

Shirato H. Norovirus and histo-blood group antigens. *Jpn J Infect Dis*. 2011;64(2):95-103.

Stals A, Baert L, De Keuckelaere A, Van Coillie E, Uyttendaele M. Evaluation of a norovirus detection methodology for ready-to-eat foods. *Int J Food Microbiol*. 2011 Feb 28;145(2-3):420-5.

Stals A, Baert L, Van Coillie E, Uyttendaele M. Evaluation of a norovirus detection methodology for soft red fruits. *Food Microbiol*. 2011 Feb;28(1):52-8.

Su X, D'Souza DH. Grape seed extract for control of human enteric viruses. *Appl Environ Microbiol*. 2011 Jun;77(12):3982-7.

Verhoef L, Kouyos RD, Vennema H, Kroneman A, Siebenga J, van Pelt W, Koopmans M; Foodborne Viruses in Europe Network. An integrated approach to identifying international foodborne norovirus outbreaks. *Emerg Infect Dis*. 2011 Mar;17(3):412-8.

### **Salmonella**

Akiyama T, Khan AA, Cheng CM, Stefanova R. Molecular characterization of *Salmonella enterica* serovar Saintpaul isolated from imported seafood, pepper, environmental and clinical samples. *Food Microbiol*. 2011 Sep;28(6):1124-8.

Anjum MF, Choudhary S, Morrison V, Snow LC, Mafura M, Slickers P, Ehricht R, Woodward MJ. Identifying antimicrobial resistance genes of human clinical relevance within *Salmonella* isolated from food animals in Great Britain. *J Antimicrob Chemother*. 2011 Mar;66(3):550-9.

Arnold ME, Carrique-Mas JJ, McLaren I, Davies RH. A comparison of pooled and individual bird sampling for detection of *Salmonella* in commercial egg laying flocks. *Prev Vet Med*. 2011 May 1;99(2-4):176-84.

Barton Behravesh C, Mody RK, Jungk J, Gaul L, Redd JT, Chen S, Cosgrove S, Hedican E, Sweat D, Chávez-Hauser L, Snow SL, Hanson H, Nguyen TA, Sodha SV, Boore AL, Russo E, Mikoleit M, Theobald L, Gerner-Smidt P, Hoekstra RM, Angulo FJ, Swerdlow DL, Tauxe RV, Griffin PM, Williams IT; *Salmonella* Saintpaul Outbreak Investigation Team. 2008 outbreak of *Salmonella* Saintpaul infections associated with raw produce. *N Engl J Med*. 2011 Mar 10;364(10):918-27.

5: Boxall NS, Adak GK, DE Pinna E, Gillespie IA. A *Salmonella* Typhimurium phage type (PT) U320 outbreak in England, 2008: continuation of a trend involving ready-to-eat products. *Epidemiol Infect*. 2011 Jan 24:1-9. [Epub ahead of print] PubMed PMID: 21255477.

Centers for Disease Control and Prevention (CDC). Vital signs: incidence and trends of infection with pathogens transmitted commonly through food -foodborne diseases active surveillance network, 10 u.s. Sites, 1996--2010. *MMWR Morb Mortal Wkly Rep*. 2011 Jun 10;60(22):749-55.

Centers for Disease Control and Prevention (CDC). *Salmonella* Montevideo infections associated with salami products made with contaminated imported black and red pepper - United States, July 2009-April 2010. *MMWR Morb Mortal Wkly Rep*. 2010 Dec 24;59(50):1647-50.

Danguy des Déserts J, Davies RH, Vaughan K, McLaren I, Canning P, Wintrip A, Mueller-Doblies D, Carrique-Mas JJ. A longitudinal study of *Salmonella* infection in different types of turkey flocks in Great Britain. *Zoonoses Public Health*. 2011 May;58(3):200-8.

Davidson VJ, Ravel A, Nguyen TN, Fazil A, Ruzante JM. Food-Specific Attribution of Selected Gastrointestinal Illnesses: Estimates from a Canadian Expert Elicitation Survey. *Foodborne Pathog Dis*. 2011 May 11. [Epub ahead of print]

Davies PR. Intensive swine production and pork safety. *Foodborne Pathog Dis.* 2011 Feb;8(2):189-201.

Dewaele I, Ducatelle R, Herman L, Heyndrickx M, De Reu K. Sensitivity to disinfection of bacterial indicator organisms for monitoring the *Salmonella* Enteritidis status of layer farms after cleaning and disinfection. *Poult Sci.* 2011 Jun;90(6):1185-90.

Foley SL, Nayak R, Hanning IB, Johnson TJ, Han J, Ricke SC. Population Dynamics of *Salmonella enterica* Serotypes in Commercial Egg and Poultry Production. *Appl Environ Microbiol.* 2011 May 13. [Epub ahead of print]

Golberg D, Kroupitski Y, Belausov E, Pinto R, Sela S. *Salmonella* Typhimurium internalization is variable in leafy vegetables and fresh herbs. *Int J Food Microbiol.* 2011 Jan 31;145(1):250-7.

Gonzales-Barron U, Butler F. The use of meta-analytical tools in risk assessment for food safety. *Food Microbiol.* 2011 Jun;28(4):823-7.

Gormley FJ, Little CL, Rawal N, Gillespie IA, Lebaigue S, Adak GK. A 17-year review of foodborne outbreaks: describing the continuing decline in England and Wales (1992-2008). *Epidemiol Infect.* 2011 May;139(5):688-99.

Gotter V, Blaha T, Klein G. A case-control study on the occurrence of *Salmonella* spp. in the environment of pigs. *Epidemiol Infect.* 2011 Feb 16:1-7.

Gousia P, Economou V, Sakkas H, Leveidiotou S, Papadopoulou C. Antimicrobial resistance of major foodborne pathogens from major meat products. *Foodborne Pathog Dis.* 2011 Jan;8(1):27-38.

Gruzdev N, Pinto R, Sela S. Effect of desiccation on tolerance of *Salmonella enterica* to multiple stresses. *Appl Environ Microbiol.* 2011 Mar;77(5):1667-73.

Guo C, Hoekstra RM, Schroeder CM, Pires SM, Ong KL, Hartnett E, Naugle A, Harman J, Bennett P, Cieslak P, Scallan E, Rose B, Holt KG, Kissler B, Mbandi E, Roodsari R, Angulo FJ, Cole D. Application of Bayesian techniques to model the burden of human salmonellosis attributable to U.S. food commodities at the point of processing: adaptation of a Danish model. *Foodborne Pathog Dis.* 2011 8(4):509-16.

Hannah JF, Cason JA, Richardson JR, Cox NA, Hinton A Jr, Buhr RJ, Smith DP. Effect of stomaching on numbers of bacteria recovered from chicken skin. *Poult Sci.* 2011 Feb;90(2):491-3.

Haughton PN, Lyng JG, Morgan DJ, Cronin DA, Fanning S, Whyte P. Efficacy of high-intensity pulsed light for the microbiological decontamination of chicken, associated packaging, and contact surfaces. *Foodborne Pathog Dis.* 2011 Jan;8(1):109-17.

Hendriksen RS, Vieira AR, Karlsmose S, Lo Fo Wong DM, Jensen AB, Wegener HC, Aarestrup FM. Global Monitoring of *Salmonella* Serovar Distribution from the World

Health Organization Global Foodborne Infections Network Country Data Bank: Results of Quality Assured Laboratories from 2001 to 2007. Foodborne Pathog Dis. 2011 Apr 14. [Epub ahead of print]

Humphrey S, Clark LF, Humphrey TJ, Jepson MA. Enhanced recovery of *Salmonella* Typhimurium DT104 from exposure to stress at low temperature. Microbiology. 2010 Dec 22. [Epub ahead of print]

Janmohamed K, Zenner D, Little C, Lane C, Wain J, Charlett A, Adak B, Morgan D. National outbreak of *Salmonella* Enteritidis phage type 14b in England, September to December 2009: case-control study. Euro Surveill. 2011 Apr 14;16(15).

Jasson V, Baert L, Uyttendaele M. Detection of low numbers of healthy and sub-lethally injured *Salmonella enterica* in chocolate. Int J Food Microbiol. 2011 Feb 28;145(2-3):488-91.

King N, Lake R, Campbell D. Source attribution of nontyphoid salmonellosis in New Zealand using outbreak surveillance data. J Food Prot. 2011 Mar;74(3):438-45.

Koseki S, Mizuno Y, Sotome I. Modeling of pathogen survival during simulated gastric digestion. Appl Environ Microbiol. 2011 Feb;77(3):1021-32.

Kroupitski Y, Pinto R, Belausov E, Sela S. Distribution of *Salmonella* typhimurium in romaine lettuce leaves. Food Microbiol. 2011 Aug;28(5):990-7.

Lienau EK, Strain E, Wang C, Zheng J, Ottesen AR, Keys CE, Hammack TS, Musser SM, Brown EW, Allard MW, Cao G, Meng J, Stones R. Identification of a salmonellosis outbreak by means of molecular sequencing. N Engl J Med. 2011 Mar 10;364(10):981-2.

Lienemann T, Niskanen T, Guedes S, Siitonen A, Kuusi M, Rimhanen-Finne R. Iceberg lettuce as suggested source of a nationwide outbreak caused by two *salmonella* serotypes, Newport and Reading, in Finland in 2008. J Food Prot. 2011 Jun;74(6):1035-40.

Liu WB, Liu B, Zhu XN, Yu SJ, Shi XM. Diversity of *Salmonella* isolates using serotyping and multilocus sequence typing. Food Microbiol. 2011 Sep;28(6):1182-9.

McClure FD, Lee JK. Determination of operating characteristic, retesting, and testing amount probabilities associated with testing for the presence of *Salmonella* in foods. J AOAC Int. 2011 Jan-Feb;94(1):327-34.

Monfort S, Gayán E, Condón S, Raso J, Alvarez I. Design of a combined process for the inactivation of *Salmonella* Enteritidis in liquid whole egg at 55°C. Int J Food Microbiol. 2011 Feb 28;145(2-3):476-82.

Neetoo H, Chen H. Individual and combined application of dry heat with high hydrostatic pressure to inactivate *Salmonella* and *Escherichia coli* O157:H7 on alfalfa seeds. Food Microbiol. 2011 Feb;28(1):119-27.

Nei D, Latiful BM, Enomoto K, Inatsu Y, Kawamoto S. Disinfection of Radish and Alfalfa Seeds Inoculated with *Escherichia coli* O157:H7 and *Salmonella* by a Gaseous Acetic Acid Treatment. *Foodborne Pathog Dis.* 2011 Jun 8. [Epub ahead of print]

Newkirk R, Hedberg C, Bender J. Establishing a milkborne disease outbreak profile: potential food defense implications. *Foodborne Pathog Dis.* 2011 Mar;8(3):433-7.

Noble DJ, Lane C, Little CL, Davies R, Pinna ED, Larkin L, Morgan D. Revival of an old problem: an increase in *Salmonella enterica* serovar Typhimurium definitive phage type 8 infections in 2010 in England and Northern Ireland linked to duck eggs. *Epidemiol Infect.* 2011 Apr 7:1-4. [Epub ahead of print]

Oscar TP. Development and validation of a predictive microbiology model for survival and growth of *Salmonella* on chicken stored at 4 to 12 °C. *J Food Prot.* 2011 Feb;74(2):279-84.

Pin C, Avendaño-Perez G, Cosciani-Cunico E, Gómez N, Gounadakic A, Nychas GJ, Skandamis P, Barker G. Modelling *Salmonella* concentration throughout the pork supply chain by considering growth and survival in fluctuating conditions of temperature, pH and a(w). *Int J Food Microbiol.* 2011 Mar 1;145 Suppl 1:S96-102. Epub 2010 Oct 1.

Prendergast DM, O'Grady D, Fanning S, Cormican M, Delappe N, Egan J, Mannion C, Fanning J, Gutierrez M. Application of multiple locus variable number of tandem repeat analysis (MLVA), phage typing and antimicrobial susceptibility testing to subtype *Salmonella enterica* serovar Typhimurium isolated from pig farms, pork slaughterhouses and meat producing plants in Ireland. *Food Microbiol.* 2011 Aug;28(5):1087-94.

Ruzante JM, Majowicz SE, Fazil A, Davidson VJ. Hospitalization and deaths for select enteric illnesses and associated sequelae in Canada, 2001-2004. *Epidemiol Infect.* 2011 Jun;139(6):937-45.

Sagong HG, Park SH, Choi YJ, Ryu S, Kang DH. Inactivation of *Escherichia coli* O157:H7, *Salmonella* Typhimurium, and *Listeria monocytogenes* in Orange and Tomato Juice Using Ohmic Heating. *J Food Prot.* 2011 Jun;74(6):899-904.

Scallan E, Hoekstra RM, Angulo FJ, Tauxe RV, Widdowson MA, Roy SL, Jones JL, Griffin PM. Foodborne illness acquired in the United States - major pathogens. *Emerg Infect Dis.* 2011 Jan;17(1):7-15.

Shah DH, Zhou X, Addwebi T, Davis MA, Call DR. In vitro and in vivo pathogenicity of *Salmonella* enteritidis clinical strains isolated from North America. *Arch Microbiol.* 2011 Jun 8. [Epub ahead of print]

Strawn LK, Schneider KR, Danyluk MD. Microbial safety of tropical fruits. *Crit Rev Food Sci Nutr.* 2011 Feb;51(2):132-45. Review.



Tornuk F, Ozturk I, Sagdic O, Yetim H. Determination and improvement of microbial safety of wheat sprouts with chemical sanitizers. *Foodborne Pathog Dis.* 2011 Apr;8(4):503-8.

Van Kessel JA, Karns JS, Lombard JE, Koprak CA. Prevalence of *Salmonella enterica*, *Listeria monocytogenes*, and *Escherichia coli* Virulence Factors in Bulk Tank Milk and In-Line Filters from U.S. Dairies. *J Food Prot.* 2011 May;74(5):759-68.

Veldman K, Cavaco LM, Mevius D, Battisti A, Franco A, Botteldoorn N, Bruneau M, Perrin-Guyomard A, Cerny T, De Frutos Escobar C, Guerra B, Schroeter A, Gutierrez M, Hopkins K, Myllyniemi AL, Sunde M, Wasyl D, Aarestrup FM. International collaborative study on the occurrence of plasmid-mediated quinolone resistance in *Salmonella enterica* and *Escherichia coli* isolated from animals, humans, food and the environment in 13 European countries. *J Antimicrob Chemother.* 2011 Jun;66(6):1278-86.

Wales AD, Cook AJ, Davies RH. Producing *Salmonella*-free pigs: a review focusing on interventions at weaning. *Vet Rec.* 2011 Mar 12;168(10):267-76.

Wilhelm B, Rajić A, Greig JD, Waddell L, Harris J. The Effect of Hazard Analysis Critical Control Point Programs on Microbial Contamination of Carcasses in Abattoirs: A Systematic Review of Published Data. *Foodborne Pathog Dis.* 2011 May 13. [Epub ahead of print]

Xu Y, Cheung W, Winder CL, Dunn WB, Goodacre R. Metabolic profiling of meat: assessment of pork hygiene and contamination with *Salmonella typhimurium*. *Analyst.* 2011 Feb 7;136(3):508-14.

### **Staphylococcus aureus**

Beneke B, Klees S, Stührenberg B, Fetsch A, Kraushaar B, Tenhagen BA. Prevalence of methicillin-resistant *Staphylococcus aureus* in a fresh meat pork production chain. *J Food Prot.* 2011 Jan;74(1):126-9.

Bienfang PK, Defelice SV, Laws EA, Brand LE, Bidigare RR, Christensen S, Trapido-Rosenthal H, Hemscheidt TK, McGillicuddy DJ, Anderson DM, Solo-Gabriele HM, Boehm AB, Backer LC. Prominent human health impacts from several marine microbes: history, ecology, and public health implications. *Int J Microbiol.* 2011;2011:152815. Epub 2010 Oct 11.

Broens EM, Graat EA, van der Wolf PJ, van de Giessen AW, van Duijkeren E, Wagenaar JA, van Nes A, Mevius DJ, de Jong MC. MRSA CC398 in the pig production chain. *Prev Vet Med.* 2011 Feb 1;98(2-3):182-9.

Cavaco LM, Hasman H, Aarestrup FM. Zinc resistance of *Staphylococcus aureus* of animal origin is strongly associated with methicillin resistance. *Vet Microbiol.* 2011 Jun 2;150(3-4):344-8.

García-Álvarez L, Holden MT, Lindsay H, Webb CR, Brown DF, Curran MD, Walpole E, Brooks K, Pickard DJ, Teale C, Parkhill J, Bentley SD, Edwards GF, Girvan EK, Kearns AM, Pichon B, Hill RL, Larsen AR, Skov RL, Peacock SJ, Maskell DJ, Holmes MA. Meticillin-resistant *Staphylococcus aureus* with a novel *mecA* homologue in human and bovine populations in the UK and Denmark: a descriptive study. *Lancet Infect Dis*. 2011 Jun 2. [Epub ahead of print]

Horgan M, Abbott Y, Lawlor PG, Rossney A, Coffey A, Fitzgerald GF, McAuliffe O, Paul Ross R. A study of the prevalence of methicillin-resistant *Staphylococcus aureus* in pigs and in personnel involved in the pig industry in Ireland. *Vet J*. 2010 Dec 29. [Epub ahead of print]

Marino M, Frigo F, Bartolomeoli I, Maifreni M. Safety-related properties of staphylococci isolated from food and food environments. *J Appl Microbiol*. 2011 Feb;110(2):550-61.

Shimamura Y, Murata M. Pulsed-Field Gel Electrophoretic Analysis and Some Characteristics of *Staphylococcus aureus* Isolated from Retail Foods and Human Hands. *Biosci Biotechnol Biochem*. 2011 Jun 13. [Epub ahead of print]

Waters AE, Contente-Cuomo T, Buchhagen J, Liu CM, Watson L, Pearce K, Foster JT, Bowers J, Driebe EM, Engelthaler DM, Keim PS, Price LB. Multidrug-Resistant *Staphylococcus aureus* in US Meat and Poultry. *Clin Infect Dis*. 2011 May;52(10):1227-30.

Yucel N, Citak S, Bayhün S. Antimicrobial resistance profile of *Staphylococcus aureus* isolated from clinical samples and foods of animal origin. *Foodborne Pathog Dis*. 2011 Mar;8(3):427-31.

### **Toxoplasma**

Cenci-Goga BT, Rossitto PV, Sechi P, McCrindle CM, Cullor JS. Toxoplasma in Animals, Food, and Humans: An Old Parasite of New Concern. *Foodborne Pathog Dis*. 2011 Apr 12. [Epub ahead of print]

Ferguson W, Mayne PD, Cafferkey M, Butler K. Lack of awareness of risk factors for primary toxoplasmosis in pregnancy. *Ir J Med Sci*. 2011 Jun 11. [Epub ahead of print]

Ortega-Pacheco A, Acosta-Viana KY, Guzman-Marin E, Uitzil-Álvarez B, Rodríguez-Buenfil JC, Jimenez-Coello M. Infection dynamic of *Toxoplasma gondii* in two fattening pig farms exposed to high and low cat density in an endemic region. *Vet Parasitol*. 2011 Feb 10;175(3-4):367-71.

Putignani L, Mancinelli L, Del Chierico F, Menichella D, Adlerstein D, Angelici MC, Marangi M, Berrilli F, Caffara M, di Regalbano DA, Giangaspero A. Investigation of *Toxoplasma gondii* presence in farmed shellfish by nested-PCR and real-time PCR fluorescent amplicon generation assay (FLAG). *Exp Parasitol*. 2011 Feb;127(2):409-17.

Veronesi F, Ranucci D, Branciarri R, Miraglia D, Mammoli R, Fioretti DP.  
Seroprevalence and risk factors for *Toxoplasma gondii* Infection on finishing swine  
reared in the Umbria region, central Italy. Zoonoses Public Health. 2011  
May;58(3):178-84.

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