

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 2007**

Bacillus

Raymond B, Davis D, Bonsall MB. Competition and reproduction in mixed infections of pathogenic and non-pathogenic *Bacillus* spp. J Invertebr Pathol 2007; **96(2)**: 151-5.

Fretz R, Schmid D, Brueller W, Girsch L, Pichler AM, Riediger K, Safer M, Allerberger F. Food poisoning due to Jimson weed mimicking *Bacillus cereus* food intoxication in Austria, 2006. Int J Infect Dis 2007; **11(6)**: 557-8.

Valero M, Hernández-Herrero LA, Giner MJ. Survival, isolation and characterization of a psychrotrophic *Bacillus cereus* strain from a mayonnaise-based ready-to-eat vegetable salad. Food Microbiol 2007; **24(7-8)**: 671-7.

Sorokulova IB, Pinchuk IV, Denayrolles M, Osipova IG, Huang JM, Cutting SM, Urdaci MC. The Safety of Two *Bacillus* Probiotic Strains for Human Use. Dig Dis Sci 2007; Oct 13 [Epub ahead of print]

Campylobacter

Richardson G, Thomas DR, Smith RM, Nehaul L, Ribeiro CD, Brown AG, Salmon RL. A community outbreak of *Campylobacter jejuni* infection from a chlorinated public water supply. Epidemiol Infect 2007; **135(7)**: 1151-8.

Klein G, Reich F, Beckmann L, Atanassova V. Quantification of thermophilic *Campylobacter* spp. in broilers during meat processing. Antonie Van Leeuwenhoek 2007; **92(3)**: 267-73.

Conlan AJ, Coward C, Grant AJ, Maskell DJ, Gog JR. *Campylobacter jejuni* colonization and transmission in broiler chickens: a modelling perspective. J R Soc Interface 2007; **4(16)**: 819-29. Review.

Arsenault J, Letellier A, Quessy S, Normand V, Boulianne M. Prevalence and risk factors for *Salmonella* spp. and *Campylobacter* spp. caecal colonization in broiler chicken and turkey flocks slaughtered in Quebec, Canada. Prev Vet Med 2007; **81(4)**: 250-64.

Belanger AE, Shryock TR. Macrolide-resistant *Campylobacter*: the meat of the matter. J Antimicrob Chemother 2007; **60(4)**: 715-23.

Dorrell N, Wren BW. The second century of *Campylobacter* research: recent advances, new opportunities and old problems. Curr Opin Infect Dis 2007; **20(5)**: 514-8.

Pearson BM, Gaskin DJ, Segers RP, Wells JM, Nuijten PJ, Mvan Vliet AH. The Complete Genome Sequence of *Campylobacter jejuni* Strain 81116 (NCTC11828). J Bacteriol 2007; **189(22)**: 8402-3.

Northcutt J, Smith D, Ingram KD, Hinton A Jr, Musgrove M. Recovery of bacteria from broiler carcasses after spray washing with acidified electrolyzed water or sodium hypochlorite solutions. *Poult Sci* 2007; **86(10)**: 2239-44.

Hammerum AM, Heuer OE, Lester CH, Agersø Y, Seyfarth AM, Emborg HD, Frimodt-Møller N, Monnet DL. Comment on: withdrawal of growth-promoting antibiotics in Europe and its effects in relation to human health. *Int J Antimicrob Agents* 2007; **30(5)**: 466-8.

Van Deun K, Haesebrouck F, Heyndrickx M, Favoreel H, Dewulf J, Ceelen L, Dumez L, Messens W, Leleu S, Van Immerseel F, Ducatelle R, Pasmans F. Virulence properties of *Campylobacter jejuni* isolates of poultry and human origin. *J Med Microbiol* 2007; **56(Pt 10)**: 1284-9.

Al Amri A, Senok AC, Ismaeel AY, Al-Mahmeed AE, Botta GA. Multiplex PCR for direct identification of *Campylobacter* spp. in human and chicken stools. *J Med Microbiol* 2007; **56(Pt 10)**: 1350-5.

Oporto B, Esteban JI, Aduriz G, Juste RA, Hurtado A. Prevalence and strain diversity of thermophilic *campylobacters* in cattle, sheep and swine farms. *J Appl Microbiol* 2007; **103(4)**: 977-84.

Taboada EN, van Belkum AF, Yuki N, Acedillo RR, Godschalk PC, Koga M, Endtz HP, Gilbert M, Nash JH. Comparative genomic analysis of *Campylobacter jejuni* associated with Guillain-Barre and Miller Fisher syndromes: neuropathogenic and enteritis-associated isolates can share high levels of genomic similarity. *BMC Genomics* 2007; **8(1)**: 359

Guerry P. *Campylobacter* flagella: not just for motility. *Trends Microbiol* 2007; **15(10)**: 456-61.

Kiess AS, Kenney PB, Nayak RR. *Campylobacter* detection in commercial turkeys. *Br Poult Sci* 2007; **48(5)**: 567-72.

Johansen CH, Bjerrum L, Pedersen K. Impact of salinomycin on the intestinal microflora of broiler chickens. *Acta Vet Scand* 2007; **49(1)**: 30.

Seal BS, Hiatt KL, Kuntz RL, Woolsey R, Schegg KM, Ard M, Stintzi A. Proteomic Analyses of a Robust versus a Poor Chicken Gastrointestinal Colonizing Isolate of *Campylobacter jejuni*. *J Proteome Res* 2007; Nov 1 [Epub ahead of print].

Guerin MT, Martin W, Reiersen J, Berke O, McEwen SA, Bisailon JR, Lowman R. House-level risk factors associated with the colonization of broiler flocks with *Campylobacter* spp. in Iceland, 2001-2004. *BMC Vet Res* 2007; **3(1)**: 30.

Cryptosporidium

Leoni F, Mallon ME, Smith HV, Tait A, McLauchlin J. Multilocus analysis of *Cryptosporidium hominis* and *Cryptosporidium parvum* isolates from sporadic and outbreak-related human cases and *C. parvum* isolates from sporadic livestock cases in the United Kingdom. *J Clin Microbiol* 2007; **45(10)**: 3286-94.

ten Hove R, Schuurman T, Kooistra M, Möller L, van Lieshout L, Verweij JJ. Detection of diarrhoea-causing protozoa in general practice patients in The Netherlands by multiplex real-time PCR. *Clin Microbiol Infect* 2007; **13(10)**: 1001-7.

Smith HV, Cacciò SM, Cook N, Nichols RA, Tait A. *Cryptosporidium* and *Giardia* as foodborne zoonoses. *Vet Parasitol* 2007; **149(1-2)**: 29-40.

Reinoso R, Becares E, Smith HV. Effect of various environmental factors on the viability of *Cryptosporidium parvum* oocysts. *J Appl Microbiol* 2007; Oct 21 [Epub ahead of print].

***E. coli* O157**

Liu WC, Mathews L, Chase-Topping M, Savill NJ, Shaw DJ, Woolhouse ME. Metapopulation dynamics of *Escherichia coli* O157 in cattle: an explanatory model. *J R Soc Interface* 2007; **4(16)**: 917-24.

Ellis-Iversen J, Smith RP, Snow LC, Watson E, Millar MF, Pritchard GC, Sayers AR, Cook AJ, Evans SJ, Paiba GA. Identification of management risk factors for VTEC O157 in young-stock in England and Wales. *Prev Vet Med* 2007; **82(1-2)**: 29-41.

Baker DR, Moxley RA, Steele MB, Lejuene JT, Christopher-Hennings J, Chen DG, Hardwidge PR, Francis DH. Differences in virulence among *Escherichia coli* O157: H7 Strains Isolated from Humans during Disease Outbreaks and from Healthy Cattle. *Appl Environ Microbiol* 2007; **73(22)**: 7338-46.

Avery LM, Williams AP, Killham K, Jones DL. Survival of *Escherichia coli* O157:H7 in waters from lakes, rivers, puddles and animal drinking troughs. *Sci Total Environ* 2007; Oct 5 [Epub ahead of print].

Brichta-Harhay DM, Arthur TM, Bosilevac JM, Guerini MN, Kalchayanand N, Koochmaraie M. Enumeration of *Salmonella* and *Escherichia coli* O157:H7 in ground beef, cattle carcass, hide and faecal samples using direct plating methods. *J Appl Microbiol* 2007; **103(5)**: 1657-68.

Cizek A, Dolejeska M, Novotna R, Haas D, Vyskocil M. Survey of Shiga toxicogenic *Escherichia coli* O157 and anti drug-resistant coliform bacteria from in-line milk filters on dairy farms in the Czech Republic. *J Appl Microbiol* 2007; Oct 22 [Epub ahead of print].

Ellis-Iversen J, Smith RP, Van Winden S, Paiba GA, Watson E, Snow LC, Cook AJ. Farm practices to control *E.coli* in young cattle – A randomised controlled trial. *Vet Res* 2008; **39(1)**: 1-12.

Erickson MC, Doyle MP. Food as a vehicle for transmission of Shiga toxin-producing *Escherichia coli*. *J Food Prot* 2007; **70(10)**: 2426-49.

Gunn GJ, McKendrick IJ, Ternent HE, Thomson-Carter F, Foster G, Syngé BA. An investigation of factors associated with the prevalence of verocytotoxin producing *Escherichia coli* O157 shedding in Scottish beef cattle. *Vet J*. Oct 30 [Epub ahead of print]

Murphy M, Buckley JF, Whyte P, O'Mahony M, Anderson W, Wall PG, Fanning S. Surveillance of Dairy Production Holdings Supplying Raw Milk to the Farmhouse Cheese Sector for *Escherichia coli* O157, O26 and O111. *Zoonoses Public Health*; **54**: 358-365.

ESBL

Jouini A, Vinué L, Slama KB, Sáenz Y, Klibi N, Hammami S, Boudabous A, Torres C. Characterization of CTX-M and SHV extended-spectrum beta-lactamases and associated resistance genes in *Escherichia coli* strains of food samples in Tunisia. *J Antimicrob Chemother*. 2007; **60(5)**: 1137-41.

Perez F, Endimiani A, Hujer KM, Bonomo RA. The continuing challenge of ESBLs. *Curr Opin Pharmacol* 2007; **7(5)**: 459-69.

Karisik E, Ellington MJ, Livermore DM, Woodford N. Virulence factors in *Escherichia coli* CTX-M-15 and other extended-spectrum beta-lactamases in the UK. *J Antimicrob Chemother* 2007 Nov 2 [Epub ahead of print].

Rodríguez-Baño J, Navarro MD, Romero L, Muniain MA, de Cueto M, Gálvez J, Perea EJ, Pascual A. Risk-factors for emerging bloodstream infections caused by extended-spectrum beta-lactamase-producing *Escherichia coli*. *Clin Microb Infect* 2007 Nov 15 [Epub ahead of print]

Hepatitis A

Pontrelli G, Boccia D, Di Renzi M, Massari M, Giugliano F, Celentano LP, Taffon S, Genovese D, Di Pasquale, Scalise F, Rapicetta M, Croci L, Salmaso S. Epidemiological and virological characterization of a large community-wide outbreak of hepatitis A in southern Italy. *Epidemiol Infect* 2007; Sep 25: 1-8 [Epub ahead of print]

Listeria Monocytogenes

Rutherford TJ, Marshall DL, Andrews LS, Coggins PC, Schilling MW, Gerard P. Combined effect of packaging atmosphere and storage temperature on growth of *Listeria monocytogenes* on ready-to-eat shrimp. *Food Microbiol* 2007; **24(7-8)**: 703-10.

Little CL, Taylor FC, Sagoo SK, Gillespie IA, Grant K, McLauchlin J. Prevalence and level of *Listeria monocytogenes* and other *Listeria* species in retail pre-packaged mixed vegetable salads in the UK. *Food Microbiol* 2007; **24(7-8)**: 711-7.

Chen Y, Knabel SJ. Multiplex PCR for simultaneous detection of bacteria of the genus *Listeria*, *Listeria monocytogenes*, and major serotypes and epidemic clones of *L. monocytogenes*. *Appl Environ Microbiol* 2007; **73(19)**: 6299-304.

Najjar MB, Chikindas M, Montville TJ. Changes in *Listeria monocytogenes* membrane fluidity in response to temperature stress. *Appl Environ Microbiol* 2007; **73(20)**: 6429-35.

Dreux N, Albagnac C, Federighi M, Carlin F, Morris CE, Nguyen-the C. Viable but non-culturable *Listeria monocytogenes* on parsley leaves and absence of recovery to a culturable state. *J Appl Microbiol* 2007; **103(4)**: 1272-81.

Koseki S, Mizuno Y, Yamamoto K. Predictive modelling of the recovery of *Listeria monocytogenes* on sliced cooked ham after high pressure processing. *Int J Food Microbiol* 2007; **119(3)**: 300-7.

Dreux N, Albagnac C, Carlin F, Morris CE, Nguyen-The C. Fate of *Listeria spp.* on parsley leaves grown in laboratory and field cultures. *J Appl Microbiol* 2007; **103(5)**: 1821-1827.

Hellström S, Kiviniemi K, Autio T, Korkeala H. *Listeria monocytogenes* is common in wild birds in Helsinki region and genotypes are frequently similar with those found along the food chain. *J Appl Microbiol* 2007; Oct 22 [Epub ahead of print]

Vilar MJ, Yus E, Sanjuán ML, Diéguez FJ, Rodríguez-Otero JL. Prevalence of and risk factors for *Listeria* species on diary farms. *J Dairy Sci* 2007; **90(11)**: 5083-8.

Mai TL, Conner DE. Effect of temperature and growth media on the attachment of *Listeria monocytogenes* to stainless steel. *Int J Food Microbiol* 2007; Oct 2 [Epub ahead of print]

Critzer FJ, Kelly-Wintenberg K, South SL, Golden DA. Atmospheric plasma inactivation of foodborne pathogens on fresh produce surfaces. *J Food Prot* 2007; **70(10)**: 2290-6.

Mellefont LA, Ross T. Effect of potassium lactate and a potassium lactate-sodium diacetate blend on *Listeria monocytogenes* growth in modified atmosphere packaged sliced ham. *J Food Prot* 2007; **70(10)**: 2297-305.

Glass KA, McDonnell LM, Rassel RC, Zierke KL. Controlling *Listeria monocytogenes* on sliced ham and turkey products using benzoate, propionate, and sorbate. J Food Prot 2007; **70(10)**: 2306-12.

Gounadaki AS, Skandamis PN, Drosinos EH, Nychas GJ. Effect of packaging and storage temperature on the survival of *Listeria monocytogenes* inoculated post processing on sliced salami. J Food Prot 2007; **70(10)**: 2313-20.

Hwang CA. Effect of salt, smoke compound, and storage temperature on the growth of *Listeria monocytogenes* in simulated smoked salmon. J Food Prot 2007; **70(10)**: 2321-8.

Skandamis PN, Stopforth JD, Yoon Y, Kendall PA, Sofos JN. Modelling the effect of storage atmosphere on growth-no growth interface *Listeria monocytogenes* as a function of temperature, sodium lactate, sodium diacetate, and NaCl. J Food Prot 2007; **70(10)**: 2329-38.

Vitas AI, Sánchez RM, Aguado V, García-Jalón I. Antimicrobial susceptibility of *Listeria monocytogenes* isolated from food and clinical cases in Navarra, Spain. J Food Prot 2007; **70(10)**: 2402-6.

Carrasco E, Pérez-Roríguez F, Valero A, García-Gimeno RM, Zurera G. Survey of temperature and consumption patterns of fresh-cut leafy green salads: risk factors for *listeriosis*. J Food Prot 2007; **70(10)**: 2407-12.

Norovirus

David ST, McIntyre L, MacDougall L, Kelly D, Liem S, Schallié K, McNabb A, Houde A, Mueller P, Ward P, Trottier YL, Brassard J. An outbreak of norovirus caused by consumption of oysters from geographically dispersed harvest sites, British Columbia, Canada, 2004. Foodborne Pathog Dis 2007; **4(3)**: 349-58.

Ozawa K, Oka T, Takeda N, Hansman GS. Norovirus infections in symptomatic and asymptomatic food-handlers in Japan. J Clin Microbiol ; Oct 10 [Epub ahead of print]

Schneider T, Schreier E, Zeitz M. [Norovirus: most frequent cause of infectious gastroenteritis]. Dtsch Med Wochenschr 2007; **132(43)**: 2261-6. Review. German.

Alain S, Denis F. [Epidemiology of infectious acute diarrhoea in France and Europe]. Arch Pediatr 2007; **14 Suppl(3)**: S132-44. French.

Salmonella

Gupta SK, Nalluswami K, Snider C, Perch M, Balasegaram M, Burmeister D, Lockett J, Sandt C, Hoekstra RM, Montgomery S. Outbreak of *Salmonella* Braenderup infections associated with Roma tomatoes, northeastern United

States, 2004: a useful method for subtyping exposures in field investigations. *Epidemiol Infect* 2007; **135(7)**: 1165-73.

Peters TM, Berghold C, Brown D, Coia J, Dionisi AM, Echeita A, Fisher IS, Gatto AJ, Gill N, Green J, Gerner-Smidt P, Heck M, Lederer I, Lukinmaa S, Luzzi I, Maguire C, Prager R, Usera M, Siitonen A, Threlfall EJ, Torpdahl M, Tschäpe H, Wannet W, Zwaluw WK. Relationship of pulsed field profiles with key phage types of *Salmonella enterica* serotype Enteritidis in Europe: results of an international multi-centre study. *Epidemiol Infect* 2007; **135(8)**: 1274-81.

Heuvelink AE, Valkenburgh SM, Tilburg JJ, Van Heerwaarden C, Zwartkruis-Nahuis JT, De Boer F. Public farms: hygiene and zoonotic agents. *Epidemiol Infect.* 2007; **135(7)**: 1174-83.

Wang S, Duan H, Zhang W, Li JW. Analysis of bacterial foodborne disease outbreaks in China between 1994 and 2005. *FEMS Immunol Med Microbiol* 2007; **51(1)**: 8-13.

Holt PS, Geden CJ, Moore RW, Gast RK. Isolation of *Salmonella enterica* serovar Enteritidis from houseflies (*Musca domestica*) found in rooms containing *Salmonella* serovar Enteritidis-challenged hens. *Appl Environ Microbiol* 2007; **73(19)**: 6030-5.

Ethelberg S, Olsen KE, Gerner-Smidt P, Mølbak K. The significance of the number of submitted samples and patient-related factors for faecal bacterial diagnostics. *Clin Microbiol Infect* 2007; **13(11)**: 1095-9.

Chao G, Zhou X, Jiao X, Qian X, Xu L. Prevalence and antimicrobial resistance of foodborne pathogens isolated from food products in China. *Foodborne Pathog Dis* 2007; **4(3)**: 277-84.

Hald T, Lo Fo Wong DM, Aarestrup FM. The attribution of human infections with antimicrobial resistant *Salmonella* bacteria in Denmark to sources of animal origin. *Foodborne Pathog Dis* 2007; **4(3)**: 313-26.

Aktas Z, Day M, Kayacan CB, Diren S, Threlfall FJ. Molecular characterization of *Salmonella Typhimurium* and *Salmonella* Enteritidis by plasmid analysis and pulsed-field gel electrophoresis. *Int J Antimicrob Agents* 2007; **30(6)**: 541-5.

Centers for Disease Control and Prevention (CDC). *Salmonella* Oranienburg infections associated with fruit salads served in health-care facilities, northeastern United States and Canada, 2006. *MMWR Morb Mortal Wkly Rep* 2007; **56(39)**: 1025-8.

Snow LC, Davies RH, Christiansen KH, Carrique-Mas JJ, Wales AD, O'Connor JL, Cook AJ, Evans SJ. Survey of the prevalence of *Salmonella* species on commercial laying farms in the United Kingdom. *Vet Rec* 2007; **161(14)**: 471-6.

Heaton JC, Jones K. Microbial contamination of fruit and vegetables and the behaviour of enteropathogens in the phyllosphere: a review. *J Appl Microbiol* 2007; Oct 10 [Epub ahead of print].

Sinton LW, Braithwaite RR, Hall CH, Mackenzie ML. Survival of Indicator and Pathogenic Bacteria in Bovine Feces on Pasture. *Appl Environ Microbiol* 2007; Oct 19 [Epub ahead of print]

Capita R, Alonso-Calleja C, Prieto M. Prevalence of *Salmonella enterica* serovars and genovars from chicken carcasses in slaughter houses in Spain. *J Appl Microbiol* 2007; **103(5)**: 1366-75.

Brichta-Harhay DM, Arthur TM, Bosilevac JM, Guerini MN, Kalchayanand N, Koochmaraie M. Enumeration of *Salmonella* and *Escherichia coli* O157:H7 in ground beef, cattle carcass, hide and faecal samples using direct plating methods. *J Appl Microbiol* 2007; **103(5)**: 1657-68.

McMahon MA, Blair IS, Moore JE, McDowell DA. The rate of horizontal transmission of antibiotic resistance plasmids is increased in food preservation-stressed bacteria. *J Appl Microbiol* 2007; **103(5)**: 1883-8.

Futagawa-Saito K, Hiratsuka S, Kamibeppu M, Hirosawa T, Oyabu K, Fukuyasu T. *Salmonella* in healthy pigs: prevalence, serotype diversity and antimicrobial resistance observed during 1998-1999 and 2004-2005 in Japan. *Epidemiol Infect* 2007; Oct 26;:1-9 [Epub ahead of print]

Reller ME, Tauxe RV, Kalish LA, Mølbak K. Excess salmonellosis in women in the United States: 1968-2000. *Epidemiol Infect* 2007; Oct 26;:1-9 [Epub ahead of print]

Namata H, Méroc E, Aerts M, Faes C, Abrahantes JC, Imberechts H, Mintiens K. *Salmonella* in Belgian laying hens: an identification of risk factors. *Prev Vet Med* 2007; Oct 23 [Epub ahead of print]

Lynne AM, Rhodes-Clark BS, Bliven K, Zhao S, Foley SL. Antimicrobial Resistance Genes Associated with *Salmonella enterica* serovar Newport Isolates from Food Animals. *Antimicrob Agents Chemother* 2007; Oct 29 [Epub ahead of print]

Du Pont HL. The growing threat of foodborne bacterial enteropathogens of animal origin. *Clin Infect Dis* 2007; **45(10)**: 1353-61.

Bucher O, Holley RA, Ahmed R, Tabor H, Nadon C, Ng LK, D'Aoust JY. Occurrence and characterization of *Salmonella* from chicken nuggets, strips and pelleted broiler feed. *J Food Prot* 2007; **70(10)**: 2251-8.

Little CL, Walsh S, Hucklesby L, Surman-Lee S, Pathak K, Gatty Y, Greenwood M, De Pinna E, Threlfall EJ, Maund A, Chan CH. Survey of *Salmonella* contamination of non-United Kingdom-produced raw shell eggs on

retail sale in the northwest of England and London, 2005 to 2006. J Food Prot 2007; **70(10)**: 2259-65.

Lievonen S, Ranta J, Maijala R. Shell egg handling and preparation practices in food service establishments in Finland. J Food Prot 2007; **70(10)**: 2266-72.

Moore G, Blair IS, McDowell DA. Recovery and transfer of *Salmonella typhimurium* from four different domestic food contact surfaces. J Food Prot 2007; **70(10)**: 2273-80.

Critzer FJ, Kelly-Wintenberg K, South SL, Golden DA. Atmospheric plasma inactivation of foodborne pathogens on fresh produce surfaces. J Food Prot 2007; **70(10)**: 2290-6.

Murphy BP, Buckley JF, O'Connor EM, Gilroy D, Fanning S. Comparison of *Salmonella* species recovered from Irish liquid milk production holdings with temporal clinical veterinary isolates. Int J Hyg Environ Health 2007; Oct 31 [Epub ahead of print]

Okamura M, Kikuchi S, Suzuki A, Tachizaki H, Takehara K, Nakamura M. Effect of fixed or changing temperatures during prolonged storage on the growth of *Salmonella enterica* serovar Enteritidis inoculated artificially into shell eggs. Epidemiol Infect 2007; Nov 8;: 1-8 [Epub ahead of print]

Wollin R. A Study of invasiveness of different *Salmonella* serovars based on analysis of the Enter-net database. Euro Surveill 2007; **12(9)**: E070927.3.

Werner S, Boman K, Einemo I, Erntell M, de Jong B, Lindqvist A, Lofdahl M, Lofdahl S, Meeuwisse A, Ohlen G, Olsson M, Stamer U, Sellstrom E, Andersson Y. Outbreak of *Salmonella* Stanley in Sweden associated with alfalfa sprouts, July-August 2007. Euro Surveill 2007; **12(10)**: E071018.2

Randall LP, Bagnall MC, Karatzas KA, Coldham NC, Piddock LJ, Woodward MJ. Fitness and dissemination of disinfectant-selected multiple-antibiotic-resistant (MAR) strains of *Salmonella enterica* serovar Typhimurium in chickens. J Antimicrobial Chemother 2007; Nov 12 [Epub ahead of print]

Benschop J, Stevenson MA, Dahl J, French NP. Towards incorporating spatial risk analysis for *Salmonella* sero-positivity into the Danish swine surveillance programme. Prev Vet Med 2007; Nov 12 [Epub ahead of print]