

Papers published by VLA staff July – September 2009

Arnold ME; Mueller-Doblies D; Carrique-Mas JJ; Davies RH 2009

The estimation of pooled-sample sensitivity for detection of salmonella in turkey flocks.
Journal of Applied Microbiology 107 (3) 936-943.

Berg S; Firdessa R; Habtamu M; Gadisa E; Mengistu A; Yamua L; Ameni G; Vordermeier M;
Robertson BD; Smith NH; Engers H; Young D; Hewinson RG; Aseffa A; Gordon SV 2009

The burden of mycobacterial disease in Ethiopian cattle: implications for public health.
PLoS ONE 4(4): e5068.

Birch CPD; Chikukwa AC; Hyder K; Del Rio Vilas VJ 2009

Spatial distribution of the active surveillance of sheep scrapie in Great Britain: an exploratory analysis.

BMC Veterinary Research 5:23.

Blanco FC; Nunez-Garcia J; Garci-Pelayo C; Soria M; Bianco MV; Zumarraga M; Golby P;
Cataldi AA; Gordon SV; Bigi F 2009

Differential transcriptome profiles of attenuated and hypervirulent strains of *Mycobacterium bovis*.
Microbes and Infection 11 (12) 956-963.

Chambers MA 2009

Review of the diagnosis and study of tuberculosis in non-bovine wildlife species using immunological methods.

Transboundary and Emerging Diseases 56 (6-7) 215-227.

Daniel R; Evans H; Rolfe S; Rua-Domenech R de la; Crawshaw T; Higgins RJ; Schock A;
Clifton-Hadley R 2009

Outbreak of tuberculosis caused by *Mycobacterium bovis* in golden Guernsey goats in Great Britain.

Veterinary Record 165 (12) 335-342.

Davison NJ; Cranwell MP; Perrett LL; Dawson CE; Deaville R; Stubberfield EJ; Jarvis DS; Jepson PD 2009

Meningoencephalitis associated with brucella species in a live-stranded striped dolphin (*Stenella coeruleoalba*) in south-west England.

Veterinary Record 165 (3) 86-89.

Dean GS; Crawshaw TR; Rua-Domenech R de la; Farrant L; Greenwald R; Higgins RJ;
Lyashchenko K; Vordermeier HM; Twomey DF 2009

Use of serological techniques for diagnosis of *Mycobacterium bovis* infection in a llama herd.

Veterinary Record 165 (11) 323-324.

Di Provvio A; Scacchia M; Varasano V; Churchward C; De Caro C; Al-Momani W;
Di Francesco G; Ayling RD; Lelli R; Nicholas RAJ 2009

Experimental infection of goats with an unusual strain of *Mycoplasma mycoides* subsp. *capri* isolated in Jordan.

Journal of Comparative Pathology 141 (2-3) 121-126.

Eaton SL; Anderson MJ; Hamilton S; Gonzalez L; Sales J; Jeffrey M; Reid HW; Rocchi MS; Chianini F 2009

CD21 B cell populations are altered following subcutaneous scrapie inoculation in sheep. *Veterinary Immunology and Immunopathology* 131 (1-2) 105-109.

Edwards GT 2009

The threats posed by exotic parasitic infestations: ticks, vectors, mites and nematodes. *Proceedings of the Sheep Veterinary Society* (32) 27-30.

Edwards GT; Schock A; Smith L 2009

Endocarditis in a British heifer due to *Erysipelothrix rhusiopathiae* infection. *Veterinary Record* 165 (1) 28-29.

Fooks AR; Johnson N; Muller T; Vos A; Mansfield K; Hicks D; Nunez A; Freuling C; Neubert L; Kaipf I; Denzinger A; Franka R; Rupprecht CE 2009

Detection of high levels of European bat lyssavirus type-1 viral RNA in the thyroid gland of experimentally-infected *Eptesicus fuscus* bats. *Zoonoses and Public Health* 56 (6-7) 270-277.

Foster A 2009

Fluke diseases of small ruminants: fascioliasis in camelids, and paramphistomes. *Proceedings of the Sheep Veterinary Society* (32) 119-122.

Fuller CM; Collins MS; Alexander DJ 2009

Development of a real-time reverse-transcription PCR for the detection and simultaneous pathotyping of Newcastle disease virus isolates using a novel probe. *Archives of Virology* 154 (6) 929-937.

Gurralla R; Dastjerdi A; Johnson N; Nunez-Garcia J; Grierson S; Steinbach F; Banks M 2009

Development of a DNA microarray for simultaneous detection and genotyping of lyssaviruses. *Virus Research* 144 (1-2) 202-208.

Hanlon N; Poynton CL; Coldham N; Sauer MJ; Ioannides C 2009

The aliphatic isothiocyanates erucin and sulforaphane do not effectively up-regulate NAD(P)H:quinone oxidoreductase (NQO1) in human liver compared with rat. *Molecular Nutrition and Food Research* 53(7) 836-844.

Harwood D 2009

The differences and similarities between diseases of sheep and goats. *Proceedings of the Sheep Veterinary Society* (32) 55-58.

Harwood D 2009

Goats in the world livestock scene. *Proceedings of the Sheep Veterinary Society* (32) 95-96.

Harwood D 2009

Varied Goat Veterinary Society programme enthralled mixed audience of vets and keepers. *Veterinary Times* 6 July, 32-33.

Hogg R 2009

Botulism update and historical review. *Government Veterinary Journal* 20 (1) 5-13.

- Hogg R; Pearson A 2009
Streptococcus gallolyticus subspecies gallolyticus infection in ducklings (letter).
Veterinary Record 165 (10) 297-298.
- Hogg R; Wessels M; Quayle J 2009
Clostridial myocarditis in a scimitar-horned oryx (letter).
Veterinary Record 165 (12) 356.
- Holliman A 2009
Neonatal enteritis in goat kids.
Proceedings of the Sheep Veterinary Society (32) 127-130.
- Horton DL; Voller K; Haxton B; Johnson N; Leech S; Goddard T; Wilson C; McElhinney LM; Fooks AR 2009
European bat lyssavirus type 2 in a Daubenton's bat in Scotland (letter).
Veterinary Record 165 (13) 383-384.
- Knobloch H; Turner C; Spooner A; Chambers M 2009
Methodological variation in headspace analysis of liquid samples using electronic nose.
Sensors and Actuators B: Chemical 139 (2) 353-360.
- Konold T; Spiropoulos J; Chaplin MJ; Thorne L; Spencer YI; Wells GAH; Hawkins SAC 2009
Transmissibility studies of vacuolar changes in the rostral colliculus of pigs.
BMC Veterinary Research 5:35.
- La Rocca SA; Sandvik T 2009
A short target real-time RT-PCR assay for detection of pestiviruses infecting cattle.
Journal of Virological Methods 161 (1) 122-127.
- Maddison BC; Baker CA; Rees HC; Terry LA; Thorne L; Bellworthy SJ; Whitlam GC; Gough KC 2009
Prions are secreted in milk from clinically normal scrapie-exposed sheep.
Journal of Virology 83 (16) 8293-8296.
- Mansfield KL; Johnson N; Phipps LP; Stephenson JR; Fooks AR; Solomon T 2009
Tick-borne encephalitis virus: a review of an emerging zoonosis.
Journal of General Virology 90 (8) 1781-1794.
- Milnes AS; Sayers AR; Stewart I; Clifton-Hadley FA; Davies RH; Newell DG; Cook AJC ; Evans SJ; Smith RP; Paiba GA 2009
Factors related to the carriage of verocytotoxigenic E. coli, salmonella, thermophilic campylobacter and Yersinia enterocolitica in cattle, sheep and pigs at slaughter.
Epidemiology and Infection 137 (8) 1135-1148.
- More SJ; Cameron AR; Greiner M; Clifton-Hadley RS; Rodeia SC; Bakker D; Salman MD; Sharp JM; De Massis F; Aranaz A; Boniotti MB; Gaffuri A; Have P; Verloo D; Woodford M; Wierup M 2009
Defining output-based standards to achieve and maintain tuberculosis freedom in farmed deer, with reference to member states of the European Union.
Preventive Veterinary Medicine 90 (3-4) 254-267.

- Mueller-Doblies D; Sayers AR; Carrique-Mas JJ; Davies RH 2009
 Comparison of sampling methods to detect salmonella infection of turkey flocks.
Journal of Applied Microbiology 107 (2) 635-645.
- Muller T; Batza HJ; Beckert A; Bunzenthal C; Cox JH; Freuling CM; Fooks AR; Frost J; Geue L; Hoeflechner A; Marston D; Neubert A; Neubert L; Revilla-Fernandez S; Vanek E; Vos A; Wodak E; Zimmer K; Mettenleiter TC 2009
 Analysis of vaccine-virus-associated rabies cases in red foxes (*Vulpes vulpes*) after oral rabies vaccination campaigns in Germany and Austria.
Archives of Virology 154 (7) 1081-1091.
- Paz Santangelo M de la; Klepp L; Nunez-Garcia J; Blanco FC; Soria M; Garcia-Pelayo MC; Bianco MV; Cataldi AA; Golby P; Jackson M; Gordon SV; Bigi F 2009
 Mce3R, a TetR-type transcriptional repressor, controls the expression of a regulon involved in lipid metabolism in *Mycobacterium tuberculosis*.
Microbiology 155 (7) 2245-2255.
- Reichel R 2009
 Notifiable diseases of sheep in the United Kingdom, excluding scrapie, bluetongue and foot and mouth.
Proceedings of the Sheep Veterinary Society (32) 9-12.
- Scholes SFE; Strugnell BW; Watson PJ 2009
 Necrotising encephalopathy and porencephaly in lambs (letter).
Veterinary Record 165 (1) 31-32.
- Smith NH; Crawshaw T; Parry J; Birtles RJ 2009
Mycobacterium microti: more diverse than previously thought.
Journal of Clinical Microbiology 47 (8) 2551-2559.
- Stack M; Focosi-Snyman R; Cawthraw S; Davis L; Jenkins R; Thorne L; Chaplin M; Everitt S; Saunders G; Terry L 2009
 Two unusual bovine spongiform encephalopathy cases detected in Great Britain.
Zoonoses and Public Health 56 (6-7) 376-383.
- Taylor NM; Clifton-Hadley FA; Wales AD; Ridley A; Davies RH 2009
 Farm-level risk factors for fluoroquinolone resistance in *E. coli* and thermophilic campylobacter spp. on finisher pig farms.
Epidemiology and Infection 137 (8) 1121-1134.
- Twomey DF 2009
 Malignant catarrhal fever in goats.
Proceedings of the Sheep Veterinary Society (32) 123-126.
- Twomey DF; Crawshaw TR; Foster AP; Higgins RJ; Smith NH; Wilson L; McDean K; Adams JL; Rua-Domenech R de la 2009
 Suspected transmission of *Mycobacterium bovis* between alpacas (letter).
Veterinary Record 165 (4) 121-122.

Vordermeier HM; Villarreal-Ramos B; Cockle PJ; McAulay M; Rhodes SG; Thacker T; Gilbert SC; McShane H; Hill AVS; Zhou Xing; Hewinson RG 2009

Viral booster vaccines improve *Mycobacterium bovis* BCG-induced protection against bovine tuberculosis.

Infection and Immunity 77 (8) 3364-3373.

Vordermeier M; Gordon SV; Hewinson ARG 2009

Antigen mining to define *Mycobacterium bovis* antigens for the differential diagnosis of vaccinated and infected animals: a VLA perspective.

Transboundary and Emerging Diseases 56 (6-7) 240-247.

Wessels ME; Payne JH; Bannerman RP 2009

Oculoglandular syndrome caused by *Yersinia pseudotuberculosis* in a dairy goat.

Journal of Comparative Pathology 141 (2-3) 190-194.

Whitwell KE; Blunden AS; Miller J; Errington J 2009

Two cases of equine pregnancy loss associated with leptospira infection in England.

Veterinary Record 165 (13) 377-378.

Yue Tang; Wei Xiang; Hawkins SAC; Kretzschmar HA; Windl O 2009

Transcriptional changes in the brains of cattle orally infected with the bovine spongiform encephalopathy agent precede detection of infectivity.

Journal of Virology 83 (18) 9464-9473.