

# Journal of Veterinary Diagnostic Investigation

Volume 19, Number 4 July 2007

## Table of Contents

### FULL SCIENTIFIC REPORTS

- Characteristics of diagnostic tests used in the 2002 low-pathogenicity avian influenza H7N2 outbreak in Virginia. *François Elvinger, Bruce L. Akey, Dennis A. Senne, F. William Pierson, Barbara A. Porter-Spalding, Erica Spackman, David L. Suarez* ..... 341
- Detection of botulinum type E toxin in channel catfish with visceral toxicosis syndrome using catfish bioassay and endopep mass spectrometry. *Patricia S. Gaunt, Suzanne R. Kalb, John R. Barr* ..... 349
- Development and evaluation of an immunochromatographic strip for detection of *Streptococcus suis* type 2 antibody. *Junxing Yang, Meilin Jin, Jianfeng Chen, Ying Yang, Pei Zheng, Anding Zhang, Yunfeng Song, Hongbo Zhou, Huanchun Chen* ..... 355
- Comparative evaluation of Rose Bengal plate agglutination test, mallein test, and some conventional serological tests for diagnosis of equine glanders. *Abeera Naureen, Muhammad Saqib, Ghulan Muhammad, Muhammad H. Hussain, Muhammad N. Asi* ... 362
- Association of myocarditis with high viral load of porcine circovirus type 2 in several tissues in cases of fetal death and high mortality in piglets. A case study. *Inger M. Brunborg, Christine M. Jonassen, Torfinn Moldal, Bjørn Bratberg, Bjørn Lium, Frank Koenen, Jürgen Schönheit* ..... 368
- Comparison of tests for detection of bovine viral diarrhoea virus in diagnostic samples. *Misty A. Edmondson, M. Daniel Givens, Paul H. Walz, Julie A. Gard, David A. Stringfellow, Robert L. Carson* ..... 376
- Evaluation of the i-STAT portable clinical analyzer in chickens (*Gallus gallus*). *Hanspeter W. Steinmetz, Rainer Vogt, Sabine Kästner, Barbara Riond, Jean-Michel Hatt* ..... 382

### BRIEF COMMUNICATIONS

- Effect of time and temperature on PrP<sup>CWD</sup> immunoreactivity as evidenced by Western blot. *Joni Triantis, Michelle M. Dennis, Mo D. Salman, Daniel H. Gould* ..... 389
- Tympany, acidosis, and mural emphysema of the stomach in calves: report of cases and experimental induction. *Roger J. Panciera, Melanie J. Boileau, Douglas L. Step* ..... 392
- Detection of Newcastle disease virus RNA by reverse transcription-polymerase chain reaction using formalin-fixed, paraffin-embedded tissue and comparison with immunohistochemistry and in situ hybridization. *Nobuko Wakamatsu, Daniel J. King, Bruce S. Seal, Corrie C. Brown* ..... 396
- Real-time reverse transcription-polymerase chain reaction detection of Newcastle disease virus using light upon extension fluorogenic primers. *Márta Antal, Tibor Farkas, Péter Germán, Sándor Belák, István Kiss* ..... 400
- Validation of nonnested and real-time PCR for diagnosis of sheep-associated malignant catarrhal fever in clinical samples. *Donald L. Traul, Naomi S. Taus, J. Lindsay Oaks, Donal O'Toole, Fred R. Rurangirwa, Timothy V. Baszler, Hong Li* ..... 405
- Evaluation of tongue as a complementary sample for the diagnosis of parvoviral infection in dogs and cats. *Christy A. McKnight, Roger K. Maes, Annabel G. Wise, Matti Kiupel* . 409
- Comparison of surface plasmon resonance imaging and enzyme-linked immunosorbent assay for the detection of antibodies against iridovirus in rock bream (*Oplegnathus fasciatus*). *Ho Seong Cho, Tae Jung Kim* ..... 414

Application of polymerase chain reaction fingerprinting to differentiate <i>Ornithobacterium rhinotracheale</i> isolates. <i>Anil J. Thachil, Binu T. Velayudhan, Vanessa C. Lopes-Berkas, David A. Halvorson, Kakambi V. Nagaraja</i> .....	417
Evaluation of <i>Chlamydophila abortus</i> DNA extraction protocols for polymerase chain reaction diagnosis in paraffin-embedded tissues. <i>Nieves Ortega, José A. Navarro, Laura Nicolás, Antonio J. Buendía, María R. Caro, Laura Del Río, Carlos M. Martínez, Francisco Cuello, Jesús Salinas, María C. Gallego</i> .....	421
Use of formalin-fixed tissues to determine fumonisin B <sub>1</sub> -induced sphingolipid alterations in swine. <i>Shih-Hsuan Hsiao, Mike E. Tumbleson, Peter D. Constable, Wanda M. Haschek</i> .....	425
Immunohistochemical diagnosis of canine ovarian epithelial and granulosa cell tumors. <i>Elena Riccardi, Valeria Greco, Sara Verganti, Mario Finazzi</i> .....	431
Cyclooxygenase-2 immunoreactivity in equine ocular squamous-cell carcinoma. <i>Kenneth M. Rassnick, Bradley L. Njaa</i> .....	436
Agreement among surgical pathologists evaluating routine histologic sections of digits amputated from cats and dogs. <i>Bruce K. Wobeser, Beverly A. Kidney, Barbara E. Powers, Stephen J. Withrow, Monique N. Mayer, Maria T. Spinato, Andrew L. Allen</i> .....	439
Light-chain multiple myeloma in a cat. <i>Osamu Yamada, Kyoichi Tamura, Hiroko Yagihara, Mayu Isotani, Mari Azakami, Satoko Sawada, Kenichiro Ono, Tsukimi Washizu, Makoto Bonkobara</i> .....	443
Precursor B-1 B cell lymphoma in a newborn calf. <i>Shinji Yamamoto, Yoshihiro Wada, Yoshiharu Ishikawa, Koichi Kadota</i> .....	447
Carcinoma in a mixed mammary tumor in a llama ( <i>Lama glama</i> ). <i>Dinesh S. Bangari, Gregory W. Stevenson</i> .....	450
Erratum .....	454
Submitting manuscripts to the <i>Journal of Veterinary Diagnostic Investigation</i> .....	454
Position Announcement .....	454
Letter to the Editor: From whence will they come? – A perspective on the acute shortage of pathologists in biomedical research .....	455
In the next issue: Accepted manuscripts to be published in JVDI 19-5 (September 2007) .....	457