

1st Congress of the European Association of Veterinary Laboratory Diagnosticians (EAVLD)

15-17 September 2010

Lelystad
The Netherlands



Scientific Program

Wednesday 15 September

10:00 - 13:00: Registration with welcome drinks + sponsor exhibitions

11:00 - 12:00: Presentations on subject "Trends in Food Safety Diagnostics". Organised and hosted by Prionics.

12:00 - 13:00: Lunch

13:00 - 13:30: Opening speeches

13:30 - 17:15: First session: General session (including classical diagnostics)

13:30 - 14:15: Invited speaker

Dr. Christian Griot: Biorisk management in diagnostic laboratories; the future challenges

The laboratory biorisk management standard (CWA 15793) was developed by the world's biosafety community with the objective to implement and promote the adoption of recognised standards for management of biological risk. The basis is continual improvement through a plan – do – check – act cycle as in other management standards. This approach enables an organization to effectively identify, monitor and control the laboratory biosafety and biosecurity of its activities. The implementation of this standard in already existing quality management systems will be a major challenge not only for diagnostic laboratories but also research facilities.

14:15 - 15:05: Selected oral presentations

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Sam McCullough	LEADDR: THE AUSTRALIAN EMERGENCY RESPONSE LABORATORY NETWORK
Caroline Frey	INTESTINAL TRITRICHOMONAS FOETUS INFECTION IN CATS IN SWITZERLAND DETECTED BY IN VITRO CULTIVATION AND PCR
Nicola Pozzato	EVALUATION OF A RAPID AND INEXPENSIVE LIQUID CULTURE SYSTEM FOR THE DETECTION OF MYCOBACTERIUM AVIUM SUBSP. PARATUBERCULOSIS IN BOVINE FAECES
Jens Böttcher	DIAGNOSIS OF BHV1-INFECTION IN THE PRESENCE OF MATERNALLY DERIVED ANTIBODIES

15:05 - 15:35: Coffee break + poster sessions + sponsor exhibitions

15:35 - 17:15: Selected oral presentations

Alex Raeber	COMPARATIVE ANALYSIS OF THE BOVIGAMINTERFERON-GAMMA ELISA FOR BOVINE TUBERCULOSIS USING ALTERNATIVE ANTIGENS OR TUBERCULINS FOR BLOOD STIMULATION IN FIELD TRIALS AND EXPERIMENTAL INFECTIONS
Giulia Pezzoni	EVALUATION OF ORF2 AND ORF3 RECOMBINANT ANTIGENS IN HEV ANTIBODY- DETECTION ELISA
Jens Böttcher	UNEXPLAINED SINGLE-REACTORS IN BHV1-SEROLOGY
Britta Janowetz	LONGITUDINAL TESTING OF SHEEP FOR COXIELLA BURNETII (PCR) AND PHASE I / PHASE II ANTIBODIES AFTER APPLICATION OF AN INACTIVATED PHASE I VACCINE
Awad Shehata	RECOMBINANT POLYPEPTIDES AS ATOOL FOR IMPROVEMENT OF SEROLOGICAL DIAGNOSIS OF INFLUENZA A SUBTYPE H5 IN CHICKENS AND DUCKS
Gabriel Kovac	BIOMARKERS OF METABOLIC DISORDERS IN PERIPARTAL PERIOD OF DAIRY COWS
Flavia Tisserant	SEROLOGY AND MOLECULAR DIAGNOSTICS OF EPIZOOTIC HEMORRHAGIC DISEASE VIRUS (EHDV)
Kees van Maanen	PREDICTION OF SHEDDING OF MYCOBACTERIUM AVIUM SUBSP. PARATUBERCULOSIS

- 17:15 18:15: General Meeting EAVLD (members EAVLD only)
- 17:15 18:15: Poster sessions + sponsor exhibitions (non-members)
- 18:15: End of first day, shuttle busses to hotel
- 19:00 21:00: Drink Reception at the Apollo Hotel in Lelystad. Organised and hosted by IDEXX. Reservation needed.

Thursday 16 September

09:00- 09:40: First session: General session (including classical diagnostics) (continuation)

09:00 - 09:40: Selected oral presentations

Christina Tena	FIRST HPAI H7 OUTBREAK IN POULTRY (LAYING HENS) IN SPAIN
Aymeric Hans	EPIDEMIOLOGY AND VIRAL STRAINS CHARACTERIZATION OF THE 2009 EQUINE
	INFECTIOUS ANAEMIA FRENCH OUTBREAK
Barbara Bryce	BESNOITIOSIS - AN EMERGING DISEASE IN EUROPEDEVELOPMENT OF A NEW
	TOOL FOR DISEASE SURVEILLANCE

09:40 - 12:45: Second session: Molecular diagnostics

09:40 - 10:25: Invited speaker

Dr. Phil Wakeley: Current molecular diagnostics and future prospects: making the tricky, routine, easy and reliable and then going outside

The polymerase chain reaction is now standard in many veterinary diagnostic laboratories allowing rapid screening and characterisation of pathogens. Other isothermal methods in particular LAMP are also being used. These will be discussed with relevance to the challenges that still remain for both laboratory and point of need testing strategies.

10:25 - 10:55: Coffee break + poster sessions + sponsor exhibitions

10:55 - 12:45: Selected oral presentations

Peter Kirkland	EVALUATION OF REAL TIME POLYMERASE CHAIN REACTION ASSAYS FOR THE DETECTION OF BLUETONGUE VIRUS IN BOVINE SEMEN.
Laura Valls Vila	A NEW METHOLOLOGY FOR DETECTION AND QUANTIFICATION OF PATHOGENIC BACTERIA IN BOVINE BULK TANK MILK
John El-Attrache	UTILIZATION OF VETMAX™-GOLD BVDV DETECTION KIT FOR THE DETECTION AND POTENTIAL DIFFERENTIATION OF PERSISTENTLY INFECTED AND TRANSIENTLY INFECTED CATTLE
Lise Grewis	SENSITIVITY OF A REAL TIME PCR TEST FOR BOVINE TUBERCULOSIS DIAGNOSIS
Stéphan Zientara	DEVELOPMENT OF MOLECULAR TOOLS FOR BTV AND EHDV TYPING IN THE FRENCH MARTINIQUE AND LA RÉUNION ISLANDS
Katja Ebert	EVALUATION OF A PORTABLE AMPLIFICATION PLATFORM FOR LOOP-MEDIATED ISOTHERMAL AMPLIFICATION (LAMP) OF FOOT-AND-MOUTH DISEASE VIRUS (FMDV) AND AFRICAN SWINE FEVER (ASFV)
Charlotte Hjulsager	DIAGNOSIS OF PORCINE RESPIRATORY DISEASE WITH A REAL-TIME PCR DIAGNOSTIC PACKAGE
Gerard Wellenberg	PHYLOGENETIC ANALYSIS OF DUTCH PRRSV STRAINS
Giulia Pezzoni	COMPARATIVE PERFORMANCE OF THREE GENOME AMPLIFICATION ASSAYS FOR DETECTION OF SWINE VESICULAR DISEASE VIRUS IN EXPERIMENTAL AND FIELD SAMPLES

12:45 - 14:00: Lunch + poster sessions + sponsor exhibitions

14:00 - 14:50: Second session: Molecular diagnostics (continuation)

14:00 - 14:50: Selected oral presentations

Ana Rocha	SINGLE AND MULTIPLEX REAL TIME RT-PCR ASSAYS SPECIFIC FOR AHSV SEROTYPES 2, 4 AND 9
Fabien Miszczak	COMPARISON OF COMMERCIAL NUCLEIC ACID PURIFICATION AND REAL-TIME RT-PCR AMPLIFICATION KITS FOR THE DETECTION OF EQUINE ARTERITIS VIRUS IN EQUINE SEMEN USING TWO PREVIOUSLY DESCRIBED ONE-STEP REAL-TIME RT-PCR ASSAYS
RogerMaes	LABORATORY DIAGNOSIS OF CORONAVIRUS INFECTIONS IN FERRETS
Gerard Wellenberg	QUANTITATIVE TAQMAN REAL-TIME PCR TESTS FOR THE DETECTION OF MDV-1, RISPENS CVI988 AND HVT DNA IN WHITE BLOOD CELLS, ORGANS AND FEATHERS OF CHICKENS

14:50 - 17:30: Third session: Multiplex diagnostics (includes multiplex diagnostics with non-molecular tests, like antibody-based)

14:50 - 15:35: Invited speaker

Dr. Aart van Amerongen: Multi-analyte diagnostics: relevance and possibilities

Multi-analyte testing enables the simultaneous detection of a broad range of target components including microorganisms. The pros and cons of such diagnostic tests will be discussed and several platforms will be shown.

15:35 - 16:05: Coffee break + poster sessions + sponsor exhibitions

16:05 - 17:30: Selected oral presentations

Kees van Maanen	DEVELOPMENT AND VALIDATION OF A MULTI-PCR ASSAY, USING ONE EXTRACTION PROTOCOL AND HARMONISED REAL-TIME PCR PROTOCOLS FOR SENSITIVE DETECTION OF SEVEN DIFFERENT PATHOGENS INVOLVED IN ACUTE EQUINE UPPER RESPIRATORY TRACT DISEASE
Sandra Blome	DIFFERENTIATING CLASSICALSWINE FEVER VIRUS INFECTED FROM VACCINATED WILD BOAR USING A RECENTLY DEVELOPED MULTIPLEX REALTIME RT-PCR ASSAY
Claire Pelletier	VALIDATION OF THREE MULTIPLEX REAL-TIME PCR FOR DIAGNOSIS OF MAJOR RESPIRATORY PATHOGENS IN CATTLE
Jason Sawyer	EVALUATION OF LUMINEX MULTIPLEX ASSAY SYSTEM FOR ROUTINE VETERINARY SEROLOGY
John Clarke	PERFORMANCE OF THE ENFERPLEX TB ASSAY IN GB CATTLE AND ASSESSMENT OF POTENTIAL SUITABILITY AS A DIVA TEST
Jo Mayers	EVALUATION OF MESO SCALE DISCOVERY MULTIPLEX TECHNOLOGY FOR THE DETECTION OF ANTIBODIES TO RESPIRATORY DISEASES IN CATTLE
Jan Langeveld	ANTIBODY AND ANTIGEN PROPERTIES IN PRION DETECTION OF RUMINANTS

17:45: End of second day, shuttle busses to diner location or hotel

18:00 - 24:00: Congress dinner (drinks and opportunity to visit museum, dinner starts at 19:30)

Friday 17 September

09:00 - 12:45: Fourth session: Validation and accreditation

09:00 - 10:30: Invited speakers

Dr Matthias Greiner: Validation of laboratory tests: guidelines, pitfalls and statistics

Relevant guidelines for validation of diagnostic tests, including the stage model of the World Organisation for Animal Health (OIE) for certification of diagnostic assays will be presented. The emphasis will be on epidemiological issues arising when translating the fitness-for-purpose requirements of the OIE into the designing of validation studies. Special approaches for dealing with prohibitive costs or unavailability of a gold standard will be presented and discussed. Another practical issue is the choice of a cut-off value for quantitative diagnostic tests. Approaches for selecting a cut-off, which are related to the receiver operating characteristic (ROC) analysis and cut-off free methods for diagnostic inferences based on likelihood ratios will be demonstrated. There is also growing interest in systematic review and meta-analysis of diagnostic test studies. Therefore, the principles and some practical applications of these methods will be presented. In the same context, reporting guidelines for validation studies as well as guidelines for assessing study quality are relevant. These guidelines have been developed in the area of medicine and their applicability in veterinary diagnostics is to be discussed. The presentations will be illustrated using practically relevant examples.

Dr Russell Williams: Accreditation - defining and maintaining quality

What is quality? We have no instruments that can physically measure it or a scale to score it on, so is it just a matter of opinion? Accreditation is the way to ensure quality in laboratories and ISO 17025 is the defined world standard against which testing laboratories can be measured. In this presentation I will look at the processes by which accreditation is achieved and maintained. Also at aspects of the standard and how these apply in veterinary testing laboratories. We all learn from mistakes and so I'll also be including examples of how not to go about things...

10:30 - 11:00: Coffee break + poster sessions + sponsor exhibitions

11:00 - 12:45: Selected oral presentations

Paula Johnson	INTERLABORATORY COMPARISONS – WHY BOTHER?	
Fabien Ramos	EMERGENCE OF A NEW PANDEMIC INFLUENZAVIRUS (PH1N1): DEVELOPMENT	
	AND VALIDATION OF NEW PCR KITS FOR HIS DETECTION	
Kees van Maanen	VALIDATION OF A MULTISPECIES COMPETITION ELISA FOR DETECTION OF ANTIBODIES AGAINST INFLUENZA A VIRUSES IN SEVERAL AVIAN SPECIES, PIGS AND HORSES	
Stephane de Moor	DEVELOPMENT OF AN ELISA FOR DETECTION OF BOVINE PREGNANCY	
Andrea Ballagi	DETECTION OF ANTI-INFLUENZA A NUCLEOPROTEIN ANTIBODIES IN PIGS USING	
	A COMMERCIAL INFLUENZA EPITOPE-BLOCKING ENZYME-LINKED	
	IMMUNOABSORBENT ASSAY DEVELOPED FOR AVIAN SPECIES	
Axel Colling	THE NEW OIE PRINCIPLES AND METHODS FOR VALIDATION OF DIAGNOSTIC	
	ASSAYS	
Aymeric Hans	EQUINE ARTERITIS VIRUS PROFICIENCY TEST FOR SEROLOGICAL AND	
	VIROLOGICAL DIAGNOSIS IN EUROPE	
Abdelfattah Monged Selim	COMPARATIVE VALIDATION OF PCR-PROTOCOLS FOR DIRECT DETECTION OF	
	MYCOBACTERIUM AVIUM SUBSP. PARATUBERCULOSIS IN BOVINE FAECES	

12:45 - 14:00: Lunch + poster sessions + sponsor exhibitions

14:00: End of congress, shuttle busses to train station Lelystad

List of abstracts (listed in order of number)

I-1-01	Griot, Christian	BIORISK MANAGEMENT IN DIAGNOSTIC LABORATORIES; THE FUTURE CHALLENGES
I-2-01	Wakeley, Phil	CURRENT MOLECULAR DIAGNOSTICS AND FUTURE PROSPECTS: MAKING THE TRICKY, ROUTINE, EASY AND RELIABLE AND THEN GOING OUTSIDE
I-3-01	Amerongen, Aart van	MULTI-ANALYTE DIAGNOSTICS: RELEVANCE AND POSSIBILITIES
I-4-01	Greiner, Matthias	VALIDATION OF LABORATORY TESTS: GUIDELINES, PITFALLS AND STATISTICS
I-4-02	Williams, Russell	ACCREDITATION - DEFINING AND MAINTAINING QUALITY
O-1-01	McCullough, Sam	LEADDR: THE AUSTRALIAN EMERGENCY RESPONSE LABORATORY NETWORK
O-1-02	Frey, Caroline	INTESTINAL TRITRICHOMONAS FOETUS INFECTION IN CATS IN SWITZERLAND DETECTED BY IN VITRO CULTIVATION AND PCR
O-1-03	Pozzato, Nicola	EVALUATION OF A RAPID AND INEXPENSIVE LIQUID CULTURE SYSTEM FOR THE DETECTION OF MYCOBACTERIUM AVIUM SUBSP. PARATUBERCULOSIS IN BOVINE FAECES
O-1-04	Böttcher, Jens	DIAGNOSIS OF BHV1-INFECTION IN THE PRESENCE OF MATERNALLY DERIVED ANTIBODIES
O-1-05	Raeber, Alex	COMPARATIVE ANALYSIS OF THE BOVIGAM INTERFERON-GAMMA ELISA FOR BOVINE TUBERCULOSIS USING ALTERNATIVE ANTIGENS OR TUBERCULINS FOR BLOOD STIMULATION IN FIELD TRIALS AND EXPERIMENTAL INFECTIONS
O-1-06	Pezzoni, Giulia	EVALUATION OF ORF2 AND ORF3 RECOMBINANT ANTIGENS IN HEV ANTIBODY-DETECTION ELISA
O-1-07	Böttcher, Jens	UNEXPLAINED SINGLE-REACTORS IN BHV1-SEROLOGY
O-1-08	Janowetz, Britta	LONGITUDINAL TESTING OF SHEEP FOR COXIELLA BURNETII (PCR) AND PHASE I / PHASE II ANTIBODIES AFTER APPLICATION OF AN INACTIVATED PHASE I VACCINE
O-1-09	Shehata, Awad	RECOMBINANT POLYPEPTIDES AS A TOOL FOR IMPROVEMENT OF SEROLOGICAL DIAGNOSIS OF INFLUENZA A SUBTYPE H5 IN CHICKENS AND DUCKS
O-1-10	Kovac, Gabriel	BIOMARKERS OF METABOLIC DISORDERS IN PERIPARTAL PERIOD OF DAIRY COWS
O-1-11	Tisserant, Flavia	SEROLOGY AND MOLECULAR DIAGNOSTICS OF EPIZOOTIC HEMORRHAGIC DISEASE VIRUS (EHDV)
O-1-12	Maanen, Kees van	PREDICTION OF SHEDDING OF MYCOBACTERIUM AVIUM SUBSP. PARATUBERCULOSIS
O-1-13	Tena, Christina	FIRST HPAI H7 OUTBREAK IN POULTRY (LAYING HENS) IN SPAIN
O-1-14	Hans, Aymeric	EPIDEMIOLOGY AND VIRAL STRAINS CHARACTERIZATION OF THE 2009 EQUINE INFECTIOUS ANAEMIA FRENCH OUTBREAK
O-1-15	Bryce, Barbara	BESNOITIOSIS - AN EMERGING DISEASE IN EUROPEDEV ELOPMENT OF A NEW TOOL FOR DISEASE SURVEILLANCE
O-2-01	Kirkland, Peter	EVALUATION OF REAL TIME POLYMERASE CHAIN REACTION ASSAYS FOR THE DETECTION OF BLUETONGUE VIRUS IN BOVINE SEMEN.
O-2-02	Valls Vila, Laura	A NEW METHOLOLOGY FOR DETECTION AND QUANTIFICATION OF PATHOGENIC BACTERIA IN BOVINE BULK TANK MILK

O-2-03	El-Attrache, John	UTILIZATION OF VETMAX™- GOLD BVDV DETECTION KIT FOR THE DETECTION AND POTENTIAL DIFFERENTIATION OF PERSISTENTLY INFECTED AND TRANSIENTLY INFECTED CATTLE
O-2-04	Grewis, Lise	SENSITIVITY OF A REAL TIME PCR TEST FOR BOVINE TUBERCULOSIS DIAGNOSIS
O-2-05	Zientara, Stéphan	DEVELOPMENT OF MOLECULAR TOOLS FOR BTV AND EHDV TYPING IN THE FRENCH MARTINIQUE AND LA RÉUNION ISLANDS
O-2-06	Ebert, Katja	EVALUATION OF A PORTABLE AMPLIFICATION PLATFORM FOR LOOP- MEDIATED ISOTHERMAL AMPLIFICATION (LAMP) OF FOOT-AND-MOUTH DISEASE VIRUS (FMDV) AND AFRICAN SWINE FEVER (ASFV)
O-2-07	Hjulsager, Charlotte	DIAGNOSIS OF PORCINE RESPIRATORY DISEASE WITH A REAL-TIME PCR DIAGNOSTIC PACKAGE
O-2-08	Wellenberg, Gerard	PHYLOGENETIC ANALYSIS OF DUTCH PRRSV STRAINS
O-2-09	Pezzoni, Giulia	COMPARATIVE PERFORMANCE OF THREE GENOME AMPLIFICATION ASSAYS FOR DETECTION OF SWINE VESICULAR DISEASE VIRUS IN EXPERIMENTAL AND FIELD SAMPLES
O-2-10	Rocha, Ana	SINGLE AND MULTIPLEX REAL TIME RT-PCR ASSAYS SPECIFIC FOR AHSV SEROTYPES 2, 4 AND 9
O-2-11	Miszczak, Fabien	COMPARISON OF COMMERCIAL NUCLEIC ACID PURIFICATION AND REAL-TIME RT-PCR AMPLIFICATION KITS FOR THE DETECTION OF EQUINE ARTERITIS VIRUS IN EQUINE SEMEN USING TWO PREVIOUSLY DESCRIBED ONE-STEP REAL-TIME RT-PCR ASSAYS
O-2-12	Maes, Roger	LABORATORY DIAGNOSIS OF CORONAVIRUS INFECTIONS IN FERRETS
O-2-13	Wellenberg, Gerard	QUANTITATIVE TAQMAN REAL-TIME PCR TESTS FOR THE DETECTION OF MDV-1, RISPENS CV1988 AND HVT DNA IN WHITE BLOOD CELLS, ORGANS AND FEATHERS OF CHICKENS
O-3-01	Maanen, Kees van	DEVELOPMENT AND VALIDATION OF A MULTI-PCR ASSAY, USING ONE EXTRACTION PROTOCOL AND HARMONISED REAL-TIME PCR PROTOCOLS FOR SENSITIVE DETECTION OF SEVEN DIFFERENT PATHOGENS INVOLVED IN ACUTE EQUINE UPPER RESPIRATORY TRACT DISEASE
O-3-02	Blome, Sandra	DIFFERENTIATING CLASSICAL SWINE FEVER VIRUS INFECTED FROM VACCINATED WILD BOAR USING A RECENTLY DEVELOPED MULTIPLEX REAL-TIME RT-PCR ASSAY
O-3-03	Pelletier, Claire	VALIDATION OF THREE MULTIPLEX REAL-TIME PCR FOR DIAGNOSIS OF MAJOR RESPIRATORY PATHOGENS IN CATTLE
O-3-04	Sawyer, Jason	EVALUATION OF LUMINEX MULTIPLEX ASSAY SYSTEM FOR ROUTINE VETERINARY SEROLOGY
O-3-05	Clarke, John	PERFORMANCE OF THE ENFERPLEX TB ASSAY IN GB CATTLE AND ASSESSMENT OF POTENTIAL SUITABILITY AS A DIVA TEST
O-3-06	Mayers, Jo	EVALUATION OF MESO SCALE DISCOVERY MULTIPLEX TECHNOLOGY FOR THE DETECTION OF ANTIBODIES TO RESPIRATORY DISEASES IN CATTLE
O-3-07	Langeveld, Jan	ANTIBODY AND ANTIGEN PROPERTIES IN PRION DETECTION OF RUMINANTS
O-4-01	Johnson, Paula	INTERLABORATORY COMPARISONS - WHY BOTHER?
O-4-02	Ramos, Fabien	EMERGENCE OF A NEW PANDEMIC INFLUENZAVIRUS (PH1N1): DEVELOPMENT AND VALIDATION OF NEW PCR KITS FOR HIS DETECTION
O-4-03	Maanen, Kees van	VALIDATION OF A MULTISPECIES COMPETITION ELISA FOR DETECTION OF ANTIBODIES AGAINST INFLUENZA A VIRUSES IN SEVERAL AVIAN SPECIES, PIGS AND HORSES
O-4-04	Moor, Stephane de	DEVELOPMENT OF AN ELISA FOR DETECTION OF BOVINE PREGNANCY

O-4-05	Ballagi, Andrea	DETECTION OF ANTI-INFLUENZA A NUCLEOPROTEIN ANTIBODIES IN PIGS USING A COMMERCIAL INFLUENZA EPITOPE-BLOCKING ENZYMELINKED IMMUNOABSORBENT ASSAY DEVELOPED FOR AVIAN SPECIES
O-4-06	Colling, Axel	THE NEW OIE PRINCIPLES AND METHODS FOR VALIDATION OF DIAGNOSTIC ASSAYS
O-4-07	Hans, Aymeric	EQUINE ARTERITIS VIRUS PROFICIENCY TEST FOR SEROLOGICAL AND VIROLOGICAL DIAGNOSIS IN EUROPE
O-4-08	Selim, Abdelfattah Monged	COMPARATIVE VALIDATION OF PCR-PROTOCOLS FOR DIRECT DETECTION OF MYCOBACTERIUM AVIUM SUBSP. PARATUBERCULOSIS IN BOVINE FAECES
P-1-01	Raeber, Alex	EVALUATION OF THE PRIOCHECK® TOXOPLASMA AB PORCINE ELISA
P-1-01	Kaeber, Alex	FOR THE SEROLOGICAL SURVEILLANCE OF TOXOPLASMA-INFECTIONS IN PIGS
P-1-02	Doménech, Ana	CORRELATION BETWEEN DIAGNOSIS OF MAEDI-VISNA BY ELISA WITH HAEMATOLOGICAL AND SERUM BIOCHEMISTRY VALUES
P-1-03	Doménech, Ana	SUITABILITY OF ELISA AND PCR FOR DIAGNOSIS OF SMALL RUMINANT LENTIVIRUS (SRLV) IN BLOOD AND MILK
P-1-04	Leerdam, Bart van	VACCINATION INDEX: A NEW CONCEPT TO EVALUATE ELISA VACCINATION RESULTS
P-1-05	Tothova, Csilla	CHANGES IN THE CONCENTRATIONS OF ACUTE PHASE PROTEINS IN CALVES WITH AGE
P-1-06	Galleti, Elena	COMPARISON BETWEEN ISO 6579:2002 AND ISO 6579:2002/AMD 1:2007 FOR THE DETECTION OF SALMONELLA SPP. IN POULTRY CARCASSES
P-1-07	Foni, Emanuela	SEROLOGICAL INVESTIGATION ON CONVALESCENT SERA FROM SWINE INFLUENZA OUTBREAKS IN NORTHERN ITALY
P-1-08	Kluijver, Eric de	CRISIS ORGANIZATION WITHIN CENTRAL VETERINARY INSTITUTE OF WAGENINGEN UR
P-1-09	Rizzo, Francesca	AIV RESERVOIR AND SENSITIVE WILD BIRDS SURVEILLANCE IN PIEDMONT FROM 2005 TO 2010
P-1-10	Rizzo, Francesca	ORTHO PARAMYXO VIRUS CIRCULATION IN NON RESERVOIR BIRDS AND MAMMAL HOSTS DURING FIVE YEARS IN NORTH-WEST ITALY
P-1-11	Wellenberg, Gerard	PROFILES OF ACTINOBACILLUS PLEUROPNEUMONIAE SEROTYPES IN DUTCH SLAUGHTER PIGS
P-1-12	Roest, Hendrik-Jan	THE DUTCH BRUCELLA ABORTUS MONITORING PROGRAMME AND FALSE POSITIVE SEROLOGICAL RESULTS
P-1-13	Roest, Hendrik-Jan	ISOLATION OF COXIELLA BURNETII STRAINS FROM CLINICAL MATERIAL FROM HUMANS AND SMALL RUMINANTS ORIGINATING FROM THE NETHERLANDS
P-1-14	Kaoud, Hussein	MASTITIS IN DAIRY BAFFALOES: RISK FACTORS, TREATMENTAND CONTROL METHODS
P-1-15	Kyselova, Jana	THE USE OF ACUTE PHASE PROTEINS AS BIOMARKERS OF DISEASES IN DOGS
P-1-16	Maksimovič, Jelena	CONFORMATION OF PSEUDORABIES IN SWINE BY DIFFERENT DIAGNOSTIC METHODS
P-1-17	Böttcher, Jens	TESTING FOR HUMORAL AND CELLULAR IMMUNE RESPONSE TO PI-3 VIRUS IN CATTLE
P-1-18	Böttcher, Jens	APPLICATION OF DIFFERENT DIAGNOSTIC METHODS ON A CASE OF MYCOBACTERIAL ABORTION IN SOWS
P-1-19	Marinou, Katerina	COMPARISON OF THREE NSP ELISA TESTS FOR FMD BY THE GREEK NATIONAL REFERENCE LABORATORY

P-1-20	Renström, Lena	ISOLATION OF SWINE INFLUENZA VIRUSES ON MDCK CELLS
P-1-21	Domenis, Lorenzo	DIAGNOSTIC APPROACH TO WILD ANIMALS DISEASES DESCRIBED THROUGH A REFERENCE CASE REPORT OF TUBERCULOSIS IN ROE DEER (CAPREOLUS CAPREOLUS)
P-1-22	Domenis, Lorenzo	APPLICATION OF A DIAGNOSTIC PROTOCOL FOR THE STUDY OF SARCOSPORIDIOSIS IN CATTLE AND PIGS BRED AND SLAUGHTERED FOR THE SELF-CONSUMPTION IN BIELLA DISTRICT.
P-1-23	Masoero, Loretta	BLUETONGUE VIRUS SEROTYPE 8 IN WILD RUMINANTS IN NORTH- WESTERN ITALY
P-1-24	Doglione, Luca	ACUTE PHASE PROTEINS AS POSSIBLE MARKERS OF EXERCISE- INDUCED STRESS IN SPORT HORSES
P-1-25	Mayahi, Mansour	ISOLATION OF ORNITHOBACTERIUM RHINOTRACHEALE FROM HEALTHY BROILER CHICKS IN IRAN
P-1-26	Mandola, Maria Lucia	AVIAN POX VIRUS INFECTION IN HOODED CROWS (CORVUS CORONE CORNIX) IN NORTH ITALY
P-1-27	Gennero, Maria Silvia	TOXOPLASMA GONDII IN WILD BOARS
P-1-28	Wragg, Peter	COMPARISON OF THE BIOLOG GENERATION III IDENTIFICATION SYSTEM AND 16S rRNA GENE SEQUENCING FOR THE IDENTIFICATION OF BACTERIA OF VETERINARY INTEREST
P-1-29	Koene, Miriam	CLOSTRIDIUM DIFFICILE IN ANIMALS: PREVALENCE AND MOLECULAR DIVERSITY IN DIFFERENT ANIMAL SPECIES
P-1-30	Michalski, Miroslaw	DETECTION OF ASP MARINE BIOTOXINS BY ELISA TEST IN SHELLFISH
P-1-31	Yakhchali, Mohammad	NYMPHAL MORPHOMETRY AND MESENTERIC LYMPH NODES PATHOLOGY DUE TO LINGUTULA SERRATA IN SLAUGHTERED SHEEP AND GOATS OF URMIA, IRAN
P-1-32	Pitti, Monica	SEROLOGICAL DIAGNOSIS OF CAPRINE HERPESVIRUS 1 INFECTION IN GOAT HERDS
P-1-33	Earfani Majd, Naeem	USING TUNEL ASSAY FOR EVALUATION OF APOPTOTIC PROTECTION OF SILIMARIN IN HAMSTER ADENOCORTICAL CELLS
P-1-34	Zimmerman, Pia	DIAGNOSIS OF BACILLUS ANTHRACIS INFECTION - NOT ALWAYS EASY
P-1-35	Jafari, Ramezan Ali	UTILIZATION OF COMPLEMENT ACTIVITY TEST TO DETERMINE IMMUNOMODULATION DUE TO DIETARY GARLIC IN BROILER CHICKENS
P-1-36	Ceeraz, Vanessa	INVESTIGATIVE DIAGNOSIS OF TWO CASES OF AVIANDISEASE IN THE UNITED KINGDOM USING AN INTEGRATED APPROACH
P-1-37	Hirvela-Koski, Varpu	CAMPYLOBACTER FETUS: FIRST REPORT IN FINLAND
P-1-38	Brownlow, Tara	DEVELOPMENT OF AN IMMUNOSTICK ENZYME LINKED IMMUNOSORBENT ASSAY (ELISA) FOR THE DETECTION OF ANTIBODIES IN MILK TO BOVINE LEPTOSPIROSIS
P-2-01	Jenkins, Akinbowale	COMPARISON OF THE CAPILLARY AND AGAROSE ELECTROPHORESIS BASED MULTIPLE LOCUS VNTR (VARIABLE NUMBER OF TANDEM REPEATS) ANALYSIS (MLVA) ON MYCOBACTERIUM BOVIS ISOLATES
P-2-02	Angen, Øystein	DETECTION OF DICHELOBACTER NODOSUS IN DANISH SHEEP FLOCKS BY REAL-TIME PCR
P-2-03	Rothkamp, Anja	DETECTION OF MASTITITS PATHOGENS BY REAL-TIME PCR IN CULTURE NEGATIVE BOVINE MILK SAMPLES
P-2-04	Kokotovic, Branko	DETECTION OF BETA2 TOXIN GENE IN CLOSTRIDIUM PERFRINGENS TYPE-A ISOLATES IN NEONATAL PIGS IN DENMARK
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