Kristen Barfod - DTU Orbit (12/08/2016)

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Organisations

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Publications:

Prediction of Salmonella carcass contamination by a comparative quantitative analysis of E. coli and Salmonella during pig slaughter

Faecal contamination of carcasses in the slaughterhouse is generally considered to be the source of Salmonella on pork. In this study the hygiene indicator Escherichia coli is used to quantify faecal contamination of carcasses and it is hypothesized that it can be used to predict the quantitative carcass contamination with Salmonella, when the distribution of Salmonella concentrations in faeces is known. Paired pig sample data (faecal samples and carcass swabs) were obtained from five slaughterhouses and analysed for prevalence and concentrations of E. coli and Salmonella. A simple model was developed to describe the faecal contamination of carcasses using the E. coli data. The E. coli results suggested different hygiene performances in different slaughterhouses, and showed that a model assuming that carcasses are predominantly contaminated by their own faeces was not appropriate. Observed Salmonella prevalences were low (on average 1.9% on carcasses) and between slaughterhouses the prevalences ranked differently than the hygiene performance based on the E. coli data suggested. Also, the Salmonella concentrations predicted using E. coli as a faecal indicator were lower than the observed Salmonella concentrations. It is concluded that the faecal carriage of Salmonella together with the faecal contamination of carcasses, as predicted from E. coli data in the animal faeces and hygiene performance of the slaughterhouse, is not sufficient to explain carcass contamination with Salmonella. Our extensive data set showed that other factors than the observed faecal carriage of Salmonella by the individual animals brought to slaughter, play a more important role in the Salmonella carcass contamination of pork.

General information

State: Published
Organisations: National Food Institute, Division of Epidemiology and Microbial Genomics, Division of Food Microbiology
Authors: Nauta, M. (Intern), Barfod, K. (Intern), Hald, T. (Intern), Sørensen, A. M. H. (Intern), Emborg, H. (Intern), Aabo, S. (Intern)
Keywords: (Faecal indicator, Carcass swabs, Pork meat, Slaughterhouse, Hygiene)
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Main Research Area: Technical/natural sciences

Publication information

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BFI (2015): BFI-level 2
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ISI indexed (2013): ISI indexed yes
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ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 2
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 2
BFI (2009): BFI-level 2
BFI (2008): BFI-level 2
Original language: English
DOIs:
10.1016/j.ijfoodmicro.2013.07.014
Source: dtu

Source-ID: n::oai:DTIC-ART:elsevier/391784084::31756
Publication: Research - peer-review › Journal article – Annual report year: 2013

Description of Extended Pre-Harvest Pig Salmonella Surveillance-and-Control Programme and its Estimated Effect on Food Safety Related to Pork

Salmonella in pork can be combated during pre- or post-harvest. For large slaughterhouses, post-harvest measures like decontamination might be cost-effective while this is less likely with small-to-medium sized slaughterhouses. In this study, pre-harvest measures might be more relevant. We describe an extended surveillance-and-control programme for Salmonella in finisher pigs, which, to establish equivalence to the Swedish control programme, is intended for implementation on the Danish island, Bornholm. The effect of the programme on food safety was estimated by analysing Salmonella data from pig carcasses originating from herds that would have qualified for the programme during 2006–2008. Food safety was interpreted as prevalence of Salmonella on carcasses as well as the estimated number of human cases of salmonellosis related to pork produced within the programme. Data from the Danish Salmonella programme were obtained from Bornholm. We used a simulation model developed to estimate the number of human cases based on the prevalence of Salmonella on carcass swabs. Herds are only accepted in the programme if they have one or less seropositive sample within the previous 6 months. In this way, the Salmonella load is kept to a minimum. The programme is not yet in operation and pigs that qualify for the programme are currently mixed at slaughter with those that do not qualify. Therefore, we had to assess the impact on the carcass prevalence indirectly. The prevalence of Salmonella in carcass swabs among qualifying herds was 0.46% for the 3 years as a whole, with 2006 as the year with highest prevalence. According to the simulation the expected number of human cases relating to pork produced within the programme was below 10. When the programme is in operation, an extra effect of separating pigs within the programme from those outside is expected to lower the prevalence of Salmonella even further.

General information

State: Published
Organisations: National Food Institute, Division of Microbiology and Risk Assessment
Authors: Alban, L. (Ekstern), Barfod, K. (Intern), Petersen, J. V. (Ekstern), Dahl, J. (Ekstern), Ajufo, J. C. (Ekstern), Sandø, G. (Ekstern), Krog, H. H. (Ekstern), Aabo, S. (Intern)
Pages: 6-15
Publication date: 2010
Main Research Area: Technical/natural sciences

Publication information

Journal: Zoonoses and Public Health
Volume: 57
Issue number: 1
ISSN (Print): 1863-1959
Ratings:
BFI (2015): BFI-level 2
Scopus rating (2015): 1.276 1.097
BFI (2014): BFI-level 2
Scopus rating (2014): 1.012 0.924
BFI (2013): BFI-level 2
Scopus rating (2013): 0.893 1.042
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): 1.049 1.227
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 2
Scopus rating (2011): 0.914 1.129
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 2
Scopus rating (2010): 0.857 1.145
BFI (2009): BFI-level 2
Scopus rating (2009): 0.778 1.163
BFI (2008): BFI-level 2
Scopus rating (2008): 0.596 0.86
Scopus rating (2007): 0.706 1.078
Scopus rating (2006): 0.636 0.918
Scopus rating (2005): 0.677 0.906

Scopus rating (2004): 0.548 0.957
Scopus rating (2003): 0.328 0.594
Scopus rating (2002): 0.38 0.693
Scopus rating (2001): 0.381 0.69
Scopus rating (2000): 0.357 0.7
Scopus rating (1999): 0.331 0.623
Original language: English
DOIs:
10.1111/j.1863-2378.2010.01367.x
Source: orbit
Source-ID: 270864
Publication: Research - peer-review › Journal article – Annual report year: 2010

Impact of Slaughter hygiene of individual slaughterhouses on Salmonella consumer risk from pork

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute
Authors: Aabo, S. (Intern), Sørensen, A. M. H. (Intern), Wong, D. L. F. (Intern), Barfod, K. (Intern), Christiansen, P. (Intern)
Publication date: 2009

Host publication information
Title of host publication: The 8th International symposium, Epidemiology and Control of Foodborne Pathogens in Pork : Safe Pork 2009
Main Research Area: Technical/natural sciences
Conference: 8th International Symposium, Epidemiology and Control of Foodborne Pathogens in Pork, Quebéc City, Canada, 30/09/2009 - 30/09/2009
Source: orbit
Source-ID: 254217
Publication: Research › Article in proceedings – Annual report year: 2009

Notat: Sammenligning af salmonellaforekomst i frilandssvin, økologiske svin og konventionelle svin: Qyalysafe 080109

General information
State: Published
Organisations: National Food Institute, Division of Epidemiology and Microbial Genomics
Authors: Wingstrand, A. (Intern), Sørensen, A. I. V. (Intern), Barfod, K. (Intern)
Number of pages: 3
Publication date: 2009

Publication information
Place of publication: Søborg
Publisher: Danmarks Tekniske Universitet, Fødevareinstituttet
Original language: Danish
Main Research Area: Technical/natural sciences
Electronic versions:
Notat.pdf
Links:
http://www.food.dtu.dk/english/~/media/Institutter/Foedevareinstituttet/Publikationer/Pub-2009/Notat_Sammenligning%20af%20salmonellaforekomst%20i%20frilandssvin,%20%C3%B8kologiske%20svin%20og%20konventionelle%20svin.ashx
Publication: Commissioned › Report – Annual report year: 2009

Predicting the Risk for Human Salmonellosis from Stochastic Modelling of Salmonella Carcass Contamination and Decontamination in Slaughter Pigs

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute
Authors: Barfod, K. (Intern), Sørensen, A. M. H. (Intern), Wong, D. L. (Ekstern), Aabo, S. (Intern)
Publication date: 2009

Event: Abstract from 12th International Symposium on Veterinary Epidemiology and Economics, Durban, South Africa.
Main Research Area: Technical/natural sciences

Bibliographical note
Can be found on the disc with conference contributions
Source: orbit
Source-ID: 250337
Publication: Research › Conference abstract for conference – Annual report year: 2009

Consumer phase QMRA is essential for risk-based food safety management decisions

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute
Authors: Nauta, M. (Ekstern), Christensen, B. B. (Intern), Barrucci, F. (Ekstern), Barfod, K. (Intern), Brynestad, S. (Ekstern)
Publication date: 2008
Event: Abstract from MedVetNet : Annual Scientific Meeting, St. Malo, France, .
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 235283
Publication: Research › Conference abstract for conference – Annual report year: 2008

Control charts for identifying systematic errors using control sera to detect antibody to Salmonella in an indirect ELISA
This study evaluated the preparation of Shewhart's control charts using the concept of rational subgroups for monitoring the Salmonella antibody ELISA used for surveillance of Danish pig herds. Control charts were prepared for a buffer control sample, a negative serum sample and a positive serum sample. The quality control variables were the natural logarithm (ln) of the uncalibrated optical density (OD) for the buffer control sample and the negative serum sample, and the calibrated OD (OD%) for the positive serum sample. Testing round (run) within laboratory robot was chosen as the subgroup, and separate control charts were prepared for five robots. The control limits were set at six times the standard deviation for ln(OD) and three times the standard deviation for OD%. Evaluation based on a number of sensitising rules for control charts produced from historical data showed that use of the control charts could reveal systematic analytical errors.

General information
State: Published
Organisations: National Food Institute
Authors: Bak, H. (Ekstern), Barfod, K. (Intern)
Keywords: (Quality control, Control chart, ELISA, Salmonella, Surveillance, Rational subgroup)
Pages: 803-817
Publication date: 2008
Main Research Area: Technical/natural sciences

Publication information
Journal: O I E Revue Scientifique et Technique
Volume: 27
Issue number: 3
ISSN (Print): 0253-1933
Ratings:
BFI (2015): BFI-level 1
Scopus rating (2015): 0.546 0.627
BFI (2014): BFI-level 1
Scopus rating (2014): 0.541 0.715
BFI (2013): BFI-level 1
Scopus rating (2013): 0.423 0.561
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 1
Scopus rating (2012): 0.52 0.516
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 1
Scopus rating (2011): 0.606 0.619

ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 1
Scopus rating (2010): 0.62 0.628
BFI (2009): BFI-level 1
Scopus rating (2009): 0.404 0.631
BFI (2008): BFI-level 1
Scopus rating (2008): 0.381 0.729
Scopus rating (2007): 0.427 0.778
Scopus rating (2006): 0.409 0.629
Scopus rating (2005): 0.462 0.756
Scopus rating (2004): 0.579 0.937
Scopus rating (2003): 0.6 1.195
Scopus rating (2002): 0.583 0.939
Scopus rating (2001): 0.451 0.668
Scopus rating (2000): 0.273 0.337
Scopus rating (1999): 0.318 0.412
Original language: English
Source: orbit
Source-ID: 261573
Publication: Research - peer-review › Journal article – Annual report year: 2008

Exotic diseases in swine: Evaluation of biosecurity and control strategies for classical swine fever

General information
State: Published
Authors: Boklund, A. (Ekstern), Barfod, K. (Intern), Mortensen, S. (Ekstern), Houe, H. (Intern), Uttenthal, Å. (Intern)
Publication date: 2008

Publication information
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 235280
Publication: Research › Ph.D. thesis – Annual report year: 2008

Is future progress in consumer safety of pork in Denmark dependent on carcass decontamination?

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute
Authors: Aabo, S. (Intern), Barfod, K. (Intern), Bohr, S. K. (Ekstern), Christensen, T. (Ekstern), Christiansen, P. (Intern), Dejgaard, J. (Ekstern), Hald, T. (Intern), Krag, R. (Intern), Mørkbak, M. (Ekstern), Olsen, J. E. (Ekstern), Sandøe, P. (Ekstern), Sommer, H. M. (Intern)
Publication date: 2008
Event: Abstract from LMC 6th Symposium on Food Microbiology, Helsingør, Denmark.
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 234265
Publication: Research › Conference abstract for conference – Annual report year: 2008

Modelling Salmonella Carcass Contamination and Decontamination in Slaughter Pigs

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute
Authors: Barfod, K. (Intern), Aabo, S. (Intern), Sørensen, A. M. H. (Intern), Wong, D. L. F. (Ekstern)
Publication date: 2008
Event: Abstract from 21st International ICFMH Symposium, Aberdeen, United Kingdom.
Main Research Area: Technical/natural sciences
Source: orbit

Source-ID: 233867
Publication: Research › Conference abstract for conference – Annual report year: 2008

Report of the Task Force on Zoonoses Data Collection on the Analysis of the baseline survey on the prevalence of Salmonella in slaughter pigs, Part A: Question N° EFSA-Q-2006-042A

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute
Authors: EFSA Publication
Number of pages: 111
Publication date: 2008

Publication information
Publisher: European Food Safety Authority
Original language: English

Series: The EFSA Journal
Number: 135
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 235868
Publication: Research - peer-review › Report – Annual report year: 2008

Report of the Task Force on Zoonoses Data Collection on the Analysis of the baseline survey on the prevalence of Salmonella in slaughter pigs, Part B: Question N° EFSA-Q-2006-042B

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute
Authors: EFSA Publication, Chriél, M. (Intern)
Number of pages: 111
Publication date: 2008

Publication information
Publisher: European Food Safety Authority
Original language: English

Series: The EFSA Journal
Number: 206
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 235871
Publication: Research - peer-review › Report – Annual report year: 2008

The effect of infection with A. pleuropneumoniae, M. hyosynoviae and PRRS on growth of finishing pigs in AIAO systems

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute
Authors: Busch, M. E. (Ekstern), Barfod, K. (Intern)
Publication date: 2008
Event: Abstract from 20th International Pig Veterinary Society Congress, Durban, South Africa.
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 235282
Publication: Research › Conference abstract for conference – Annual report year: 2008

Demonstrating freedom from disease using multiple complex data sources 2: Case study-Classical swine fever in Denmark
A method for quantitative evaluation of surveillance for disease freedom has been presented in the accompanying paper (Martin et al., 2007). This paper presents an application of the methods, using as an example surveillance for classical swine fever (CSF) in Denmark in 2005. A scenario tree model is presented for the abattoir-based serology component of the Danish CSF surveillance system, in which blood samples are collected in an ad hoc abattoir sampling process, from

adult pigs originating in breeding herds in Denmark. The model incorporates effects of targeting (differential risk of seropositivity) associated with age and location (county), and disease clustering within herds. A surveillance time period of one month was used in the analysis. Records for the year 2005 were analysed, representing 25,332 samples from 3528 herds; all were negative for CSF-specific antibodies. Design prevalences of 0.1-1% of herds and 5% of animals within an infected herd were used. The estimated mean surveillance system component (SSC) sensitivities (probability that the SSC would give a positive outcome given the animals processed and that the country is infected at the design prevalences) per month were 0.18, 0.63 and 0.86, for among-herd design prevalences of 0.001, 0.005 and 0.01. The probabilities that the population was free from CSF at each of these design prevalences, after a year of accumulated negative surveillance data, were 0.91, 1.00 and 1.00. Targeting adults and herds from South Jutland was estimated to give approximately 1.9, 1.6 and 1.4 times the surveillance sensitivity of a proportionally representative sampling program for these three among-herd design prevalences.

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute
Authors: Martin, P. (Ekstern), Cameron, A. (Ekstern), Barfod, K. (Intern), Sergeant, E. (Ekstern), Greiner, M. (Ekstern)
Keywords: (classical swine fever, surveillance, freedom from disease)
Pages: 98-115
Publication date: 2007
Main Research Area: Technical/natural sciences

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Journal: Preventive Veterinary Medicine
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Ratings:
BFI (2015): BFI-level 2
Scopus rating (2015): 1.265 1.157
BFI (2014): BFI-level 2
Scopus rating (2014): 1.27 1.415
BFI (2013): BFI-level 2
Scopus rating (2013): 1.219 1.54
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): 1.265 1.454
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 2
Scopus rating (2011): 1.186 1.303
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 2
Scopus rating (2010): 1.144 1.283
BFI (2009): BFI-level 2
Scopus rating (2009): 1.021 1.341
BFI (2008): BFI-level 2
Scopus rating (2008): 1.04 1.272
Scopus rating (2007): 0.999 1.36
Scopus rating (2006): 1.052 1.305
Scopus rating (2005): 0.92 1.441
Scopus rating (2004): 0.794 1.137
Scopus rating (2003): 0.846 1.345
Scopus rating (2002): 0.91 1.369
Scopus rating (2001): 1.053 1.418
Scopus rating (2000): 0.951 1.28
Scopus rating (1999): 0.642 1.009
Original language: English
DOIs:
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Publication: Research - peer-review › Journal article – Annual report year: 2007

Impact on disease spread of trade patterns determined by the network of Danish swine industry movements of animals

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute
Authors: Bigras-Poulin, M. (Ekstern), Barfod, K. (Intern), Mortensen, S. (Ekstern), Greiner, M. (Ekstern)
Publication date: 2007
Main Research Area: Technical/natural sciences

Publication information
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Scopus rating (2015): 1.265 1.157
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Scopus rating (2014): 1.27 1.415
BFI (2013): BFI-level 2
Scopus rating (2013): 1.219 1.54
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): 1.265 1.454
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 2
Scopus rating (2011): 1.186 1.303
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 2
Scopus rating (2010): 1.144 1.283
BFI (2009): BFI-level 2
Scopus rating (2009): 1.021 1.341
BFI (2008): BFI-level 2
Scopus rating (2008): 1.04 1.272
Scopus rating (2007): 0.999 1.36
Scopus rating (2006): 1.052 1.305
Scopus rating (2005): 0.92 1.441
Scopus rating (2004): 0.794 1.137
Scopus rating (2003): 0.846 1.345
Scopus rating (2002): 0.91 1.369
Scopus rating (2001): 1.053 1.418
Scopus rating (2000): 0.951 1.28
Scopus rating (1999): 0.642 1.009
Original language: English
Source: orbit
Source-ID: 235281
Publication: Research - peer-review › Journal article – Annual report year: 2007

Pathology and diagnosis of PMWS in a Danish case – control study

General information
State: Published
Organisations: Section for Veterinary Diagnostics, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Sektion for Eksotiske Virussygdomme, Division of Virology, Section for Veterinary Epidemiology and public sector consultancy
Authors: Jorsal, S. E. L. (Intern), Bille-Hansen, V. (Intern), Nielsen, E. O. (Ekstern), Svensmark, B. (Ekstern), Holm, G. (Ekstern), Barfod, K. (Intern), Vigre, H. (Intern), Bøtner, A. (Intern), Enøe, C. (Intern), Bækbo, P. (Ekstern)

Publication date: 2007
Event: Abstract from 5th International Symposium on Emerging and Re-emerging Pig Diseases, Krakow, Poland.
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 241483
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2007

Relationship of trade patterns of the Danish swine industry animal movements network to potential disease spread

The movements of animals were analysed under the conceptual framework of graph theory in mathematics. The swine production related premises of Denmark were considered to constitute the nodes of a network and the links were the animal movements. In this framework, each farm will have a network of other premises to which it will be linked. A premise was a farm (breeding, rearing or slaughter pig), an abattoir or a trade market. The overall network was divided in premise specific subnets that linked the other premises from and to which animals were moved. This approach allowed us to visualise and analyse the three levels of organization related to animal movements that existed in the Danish swine production registers: the movement of animals between two premises, the premise specific networks, and the industry network. The analyses of animal movements were done using these three levels of organisation. The movements of swine were studied for the period September 30, 2002 to May 22, 2003. For daily movements of swine between two slaughter pig premises, the median number of pigs moved was 130 pigs with a maximum of 3306. For movements between a slaughter pig premise and an abattoir, the median number of pigs was 24. The largest percentage of movements was from farm to abattoir (82.5%); the median number of pigs per movement was 24 and the maximum number was 2018. For the whole period the median and maximum Euclidean distances observed in farm-to-farm movements were 22 km and 289 km respectively, while in the farm-to-abattoir movements, they were 36.2 km and 285 km. The network related to one specific premise showed that the median number of premises was mainly away from slaughter pig farms (3) or breeder farms (26) and mainly to an abattoir (1535). The assumption that animal movements can be randomly generated on the basis of farm density of the surrounding area of any farm is not correct since the patterns of animal movements have the topology of a scale-free network with a large degree of heterogeneity. This supported the opinion that the disease spread software assuming homogeneity in farm-to-farm relationship should only be used for large-scale interpretation and for epidemic preparedness. The network approach, based on graph theory, can be used efficiently to express more precisely, on a local scale (premise), the heterogeneity of animal movements. This approach, by providing network knowledge to the local veterinarian in charge of controlling disease spread, should also be evaluated as a potential tool to manage epidemics during the crisis. Geographic information systems could also be linked in the approach to produce knowledge about local transmission of disease.

General information

State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute
Authors: Bigras-Poulin, M. (Ekstern), Barfod, K. (Intern), Mortensen, S. (Ekstern), Greiner, M. (Ekstern)
Keywords: (networks, swine movements, risk potential, epidemiology, graphs)
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Publication date: 2007
Main Research Area: Technical/natural sciences

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BFI (2015): BFI-level 2
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BFI (2014): BFI-level 2
Scopus rating (2014): 1.27 1.415
BFI (2013): BFI-level 2
Scopus rating (2013): 1.219 1.54
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): 1.265 1.454
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 2
Scopus rating (2011): 1.186 1.303
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 2

Scopus rating (2010): 1.144 1.283
BFI (2009): BFI-level 2
Scopus rating (2009): 1.021 1.341
BFI (2008): BFI-level 2
Scopus rating (2008): 1.04 1.272
Scopus rating (2007): 0.999 1.36
Scopus rating (2006): 1.052 1.305
Scopus rating (2005): 0.92 1.441
Scopus rating (2004): 0.794 1.137
Scopus rating (2003): 0.846 1.345
Scopus rating (2002): 0.91 1.369
Scopus rating (2001): 1.053 1.418
Scopus rating (2000): 0.951 1.28
Scopus rating (1999): 0.642 1.009
Original language: English
DOIs:
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Source: orbit
Source-ID: 214335
Publication: Research - peer-review › Journal article – Annual report year: 2007

Risk factors for Actinobacillus pleuropneumoniae serotype 2 infection in Danish genetic specific pathogen-free pig herds

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute
Authors: Zhuang, Q. (Ekstern), Barfod, K. (Intern), Wachmann, H. (Ekstern), Mortensen, S. (Ekstern), Lavritsen, D. T. (Ekstern), Ydesen, B. (Ekstern), Willeberg, P. (Ekstern)
Pages: 258-262
Publication date: 2007
Main Research Area: Technical/natural sciences

Publication information
Journal: Veterinary Record, The
Volume: 160
Issue number: 8
ISSN (Print): 0042-4900
Ratings:
BFI (2015): BFI-level 1
Scopus rating (2015): 0.526 0.718
BFI (2014): BFI-level 1
Scopus rating (2014): 0.465 0.828
BFI (2013): BFI-level 1
Scopus rating (2013): 0.47 0.824
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 1
Scopus rating (2012): 0.492 0.88
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 1
Scopus rating (2011): 0.563 0.901
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 1
Scopus rating (2010): 0.573 0.836
BFI (2009): BFI-level 1
Scopus rating (2009): 0.627 0.991
BFI (2008): BFI-level 2
Scopus rating (2008): 0.548 0.854

Scopus rating (2007): 0.497 0.815
Scopus rating (2006): 0.637 0.952
Scopus rating (2005): 0.579 0.917
Scopus rating (2004): 0.614 0.953
Scopus rating (2003): 0.556 0.949
Scopus rating (2002): 0.589 1.023
Scopus rating (2001): 0.595 1.13
Scopus rating (2000): 0.721 1.169
Scopus rating (1999): 0.652 1.112
Original language: English
Source: orbit
Source-ID: 232944
Publication: Research - peer-review › Journal article – Annual report year: 2007

Estimation of optimal cutoff for ELISA assays using latent class methods and ROC analysis

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute
Authors: Barfod, K. (Intern)
Publication date: 2006
Event: Abstract from 11th International Society for Veterinary Epidemiology and Economics, Cairns, Australia.
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 247910
Publication: Research › Conference abstract for conference – Annual report year: 2006

The likelihood ratio probability of PMWS in a Danish case-control study

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics, Division of Veterinary Diagnostics and Research, National Veterinary Institute
Authors: Nielsen, E. O. (Ekstern), Barfod, K. (Intern), Svensmark, B. (Ekstern), Holm, G. (Ekstern), Bille-Hansen, V. (Intern), Jorsal, S. E. L. (Intern)
Publication date: 2006
Event: Abstract from 19th International Pig Veterinary Society Congress, Copenhagen, Denmark.
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 241479
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2006

Development and evaluation of a mixed long-chain lipopolysaccharide based ELISA for serological surveillance of infection with Actinobacillus pleuropneumoniae serotypes 2, 6 and 12 in pig herds
The objective was to develop an enzyme-linked immunosorbent assay (ELISA) for simultaneous detection of antibodies against Actinobacillus pleuropneumoniae (Ap) serotypes 2, 6 and 12. The assay was designated MIX-ELISA. Lipopolysaccharide (LPS) from Ap serotypes 2, 6 and 12 was purified using hot phenol-water extraction followed by fractionation by size-exclusion chromatography. A mixture of fractions containing molecules with molecular weight above 50 kDa from all three serotypes was used as antigen. The MIX-ELISA was evaluated with sera from pigs experimentally infected with the serotypes 1, 2, 5b, 6, 7, 8, 10 and 12 of Ap biotype 1. In addition to reaction with sera from pigs inoculated with Ap serotypes 2, 6 and 12, reaction was observed with sera from pigs inoculated with serotype 8. Furthermore, the sensitivity and specificity of the test on a herd level were evaluated with sera from herds naturally infected with serotypes 2, 6 or 12 and with sera from herds free of infection with any Ap serotype of biotype 1. The ELISA showed a high herd sensitivity (0.98 95% confidence interval: 0.89-1.00) and specificity (0.95; 0.88-0.99). The high diagnostic sensitivity and specificity of the assay indicate that screening of herds for Ap infection can be performed using this ELISA. Efficient serological surveillance can be achieved by using such mixed antigen ELISAs coated with size-selected LPS-antigens from the most prevalent serotypes.

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Innate Immunology, Secretariat, Technical University of Denmark

Authors: Grøndahl-Hansen, J. (Ekstern), Barfod, K. (Intern), Klausen, J. (Intern), Andresen, L. O. (Intern), Heegaard, P. M. H. (Intern), Sørensen, V. (Intern)
Keywords: (serological assay, Actinobacillus pleuropneumoniae, pig-bacteria, MIX-ELISA, lipopolysaccharide, pleuropneumonia)
Pages: 41-51
Publication date: 2003
Main Research Area: Technical/natural sciences

Publication information
Journal: Veterinary Microbiology
Volume: 96
Issue number: 1
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Ratings:
BFI (2015): BFI-level 2
Scopus rating (2015): 1.381 1.123
BFI (2014): BFI-level 2
Scopus rating (2014): 1.274 1.242
BFI (2013): BFI-level 2
Scopus rating (2013): 1.42 1.481
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): 1.433 1.581
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 2
Scopus rating (2011): 1.55 1.74
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 2
Scopus rating (2010): 1.365 1.471
BFI (2009): BFI-level 2
Scopus rating (2009): 1.287 1.471
BFI (2008): BFI-level 2
Scopus rating (2008): 1.109 1.301
Scopus rating (2007): 1.039 1.322
Scopus rating (2006): 1.015 1.407
Scopus rating (2005): 1.075 1.272
Scopus rating (2004): 0.861 1.269
Scopus rating (2003): 0.901 1.184
Scopus rating (2002): 0.817 1.123
Scopus rating (2001): 0.824 1.061
Scopus rating (2000): 0.816 1.099
Scopus rating (1999): 0.726 1.068
Original language: English
DOIs:
10.1016/S0378-1135(03)00208-6
Source: orbit
Source-ID: 229735
Publication: Research - peer-review › Journal article – Annual report year: 2003

Airborne transmission of A. pleuropneumoniae and PRRS virus between pig units

General information
State: Published
Organisations: Sektion for Eksotiske Virussygdomme, Division of Virology, National Veterinary Institute, Section for Veterinary Diagnostics, Division of Veterinary Diagnostics and Research, Secretariat, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Kristensen, C. S. (Ekstern), Bøtner, A. (Intern), Angen, Ø. (Intern), Sørensen, V. (Intern), Jorsal, S. E. L. (Intern), Takai, H. (Ekstern), Barfod, K. (Intern), Nielsen, J. P. (Ekstern)

Pages: 272-272
Publication date: 2002

Host publication information
Title of host publication: Proceedings of the 17th International Pig Veterinary Society Congress
Article number: Paper 102
Main Research Area: Technical/natural sciences
Conference: 17th International Pig Veterinary Society Congress, Ames, Iowa, United States, 02/06/2002 - 02/06/2002
Electronic versions:

SSUNDMFP6416033014200.pdf
Source: orbit
Source-ID: 240243
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

Carrier animals in a Danish High Health multiplying herd recently infected with Actinobacillus pleuropneumoniae serotype 2

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Secretariat
Authors: Lavritsen, D. T. (Ekstern), Barfod, K. (Intern), Angen, Ø. (Intern), Sørensen, V. (Intern)
Number of pages: 13
Publication date: 2002

Host publication information
Title of host publication: Proceedings of the 17th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 17th International Pig Veterinary Society Congress, Ames, Iowa, United States, 02/06/2002 - 02/06/2002
Source: orbit
Source-ID: 240241
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

Detection of antibodies to Actinobacillus pleuropneumoniae serotype 12 in pig serum using a blocking enzyme-linked immunosorbent assay

The objective was to develop a blocking enzyme-linked immunosorbent assay (ELISA) for detection of antibodies to Actinobacillus pleuropneumoniae (Ap) serotype 12 in pig serum. Lipopolysaccharide (LPS) from Ap serotype 12 was purified and used as antigen in the assay. Antibodies to the LPS antigen in samples of pig serum were detected by inhibition of the binding of polyclonal rabbit antibodies raised against Ap serotype 12. The assay was evaluated against sera from experimentally infected pigs, from pig herds naturally infected with Ap and from herds declared free of Ap serotypc 12 infection. The blocking ELISA showed no cross-reaction when tested with sera from pigs experimentally infected with 12 other serotypes of Ap biotype 1. The sensitivity and specificity of the blocking ELISA on the herd level was evaluated by testing sera from pig herds naturally infected with Ap serotypes 2 and/or 12 and from herds declared free of infection with Ap. The Ap serotype 12 blocking ELISA showed a herd sensitivity of 0.77 (95% confidence interval, 0.62-0.88) and a herd specificity of 1.00 (0.95-1.00) with a cut-off value at 40% relative absorbance or 60% inhibition. The assay may be used advantageously as a confirmatory test in serological surveillance programmes for Ap infections in SPF systems for pig production.

General information
State: Published
Organisations: Section for Veterinary Diagnostics, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Secretariat
Authors: Andresen, L. O. (Intern), Klausen, J. (Intern), Barfod, K. (Intern), Sørensen, V. (Intern)
Keywords: (serological assay, Actinobacillus pleuropneumoniae, pig-bacteria, ELISA, lipopolysaccharide, pleuropneumonia)
Pages: 61-67
Publication date: 2002
Main Research Area: Technical/natural sciences

Publication information
Journal: Veterinary Microbiology
Volume: 89
Issue number: 1
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Ratings:

BFI (2015): BFI-level 2
Scopus rating (2015): 1.381 1.123
BFI (2014): BFI-level 2
Scopus rating (2014): 1.274 1.242
BFI (2013): BFI-level 2
Scopus rating (2013): 1.42 1.481
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): 1.433 1.581
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 2
Scopus rating (2011): 1.55 1.74
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 2
Scopus rating (2010): 1.365 1.471
BFI (2009): BFI-level 2
Scopus rating (2009): 1.287 1.471
BFI (2008): BFI-level 2
Scopus rating (2008): 1.109 1.301
Scopus rating (2007): 1.039 1.322
Scopus rating (2006): 1.015 1.407
Scopus rating (2005): 1.075 1.272
Scopus rating (2004): 0.861 1.269
Scopus rating (2003): 0.901 1.184
Scopus rating (2002): 0.817 1.123
Scopus rating (2001): 0.824 1.061
Scopus rating (2000): 0.816 1.099
Scopus rating (1999): 0.726 1.068
Original language: English
DOIs:
10.1016/S0378-1135(02)00156-6
Source: orbit
Source-ID: 229915
Publication: Research - peer-review › Journal article – Annual report year: 2002

Evaluation of an enzyme-linked immunosorbent assay for serological surveillance of infection with Actinobacillus pleuropneumoniae serotype 5 in pig herds

An indirect enzyme-linked immunoassay for serological surveillance of infection of pigs with Actinobacillus pleuropneumoniae (Ap) serotype 5 was developed. The antigen used was prepared from Ap serotype 5b strain L20. Sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE) analysis showed that the antigen contained high molecular weight lipopolysaccharide (LPS) and presumably also capsular polysaccharide (CP). The Ap serotype 5 ELISA was tested using sera from pigs experimentally infected with the 12 different Ap serotypes of biotype 1 and with sera from herds naturally infected with Ap serotypes 5, 6, 7 and 12. Cross-reactions were shown in one pig from a herd naturally infected with Ap serotype 7 and in one pig from a herd naturally infected with Ap serotype 12. The herd sensitivities of the Ap5 ELISA and a complement fixation test (CFT) were both estimated to 1.0, on the basis of serum samples from six herds naturally infected with Ap serotype 5. The herd specificities of both tests were estimated to 0.98, based on serum samples from 123 pig herds (10 samples from each herd) from the Danish specific pathogen-free (SPF) programme for pig production.

General information

State: Published
Organisations: Section for Veterinary Diagnostics, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Secretariat
Authors: Klausen, J. (Intern), Andresen, L. O. (Intern), Barfod, K. (Intern), Sørensen, V. (Intern)
Keywords: (serological assay, Actinobacillus pleuropneumoniae, pig-bacteria, ELISA, lipopolysaccharide, CFT, pleuropneumonia)
Pages: 223-232
Publication date: 2002

Main Research Area: Technical/natural sciences

Publication information

Journal: Veterinary Microbiology
Volume: 88
Issue number: 3
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Ratings:
BFI (2015): BFI-level 2
Scopus rating (2015): 1.381 1.123
BFI (2014): BFI-level 2
Scopus rating (2014): 1.274 1.242
BFI (2013): BFI-level 2
Scopus rating (2013): 1.42 1.481
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): 1.433 1.581
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 2
Scopus rating (2011): 1.55 1.74
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 2
Scopus rating (2010): 1.365 1.471
BFI (2009): BFI-level 2
Scopus rating (2009): 1.287 1.471
BFI (2008): BFI-level 2
Scopus rating (2008): 1.109 1.301
Scopus rating (2007): 1.039 1.322
Scopus rating (2006): 1.015 1.407
Scopus rating (2005): 1.075 1.272
Scopus rating (2004): 0.861 1.269
Scopus rating (2003): 0.901 1.184
Scopus rating (2002): 0.817 1.123
Scopus rating (2001): 0.824 1.061
Scopus rating (2000): 0.816 1.099
Scopus rating (1999): 0.726 1.068
Original language: English
Source: orbit
Source-ID: 229893
Publication: Research - peer-review › Journal article – Annual report year: 2002

Prevalence of APP serotypes 1, 5, 7, 10 and 12 in Danish SPF pig producing herds

General information

State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute
Authors: Jensen, T. B. (Ekstern), Barfod, K. (Intern), Ersboell, A. K. (Ekstern), Sørensen, V. (Intern)
Number of pages: 493
Publication date: 2002

Host publication information

Title of host publication: Proceedings of the 17th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 17th International Pig Veterinary Society Congress, Ames, Iowa, United States, 02/06/2002 - 02/06/2002
Source: orbit
Source-ID: 240240
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

Sensitivity and specificity of a blocking ELISA and a CF test for APP 6 in Danish SPF-swine herds

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Secretariat
Authors: Barfod, K. (Intern), Lavritsen, D. T. (Ekstern), Klausen, J. (Intern), Sørensen, V. (Intern)
Number of pages: 405
Publication date: 2002

Host publication information
Title of host publication: Proceedings of the 17th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 17th International Pig Veterinary Society Congress, Ames, Iowa, United States, 02/06/2002 - 02/06/2002
Source: orbit
Source-ID: 240238
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

Blocking enzyme-linked immunosorbent assay for detection of antibodies against Actinobacillus pleuropneumoniae serotype 6 in pig serum
A blocking enzyme-linked immunosorbent assay (ELISA) detecting antibodies against Actinobacillus pleuropneumoniae (Ap) serotype 6 was developed. The blocking ELISA was based on the inhibition of a polyclonal antibody raised against Ap serotype 6. Purified lipopolysaccharide from Ap serotype 6 was used as antigen. The blocking ELISA was tested against sera from pigs experimentally infected with the 12 serotypes of Ap biotype 1. Cross-reaction with serotypes 3 and 8 but not with other serotypes was observed. The sensitivity and specificity of the test on a herd level were evaluated with sera from herds naturally infected with serotypes 2, 6, 8 or 12 and with sera from herds free of infection with any Ap serotype. The blocking ELISA showed a high herd sensitivity (1.00 (0.79-1.00)) and specificity (0.97 (0.93-0.99)).

General information
State: Published
Organisations: Section for Veterinary Diagnostics, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Secretariat
Authors: Klausen, J. (Intern), Andresen, L. O. (Intern), Barfod, K. (Intern), Sørensen, V. (Intern)
Keywords: (serological assay, Actinobacillus pleuropneumoniae, pig-bacteria, ELISA, lipopolysaccharide, pleuropneumonia)
Pages: 11-18
Publication date: 2001
Main Research Area: Technical/natural sciences

Publication information
Journal: Veterinary Microbiology
Volume: 79
Issue number: 1
ISSN (Print): 0378-1135
Ratings:
BFI (2015): BFI-level 2
Scopus rating (2015): 1.381 1.123
BFI (2014): BFI-level 2
Scopus rating (2014): 1.274 1.242
BFI (2013): BFI-level 2
Scopus rating (2013): 1.42 1.481
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): 1.433 1.581
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 2
Scopus rating (2011): 1.55 1.74
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 2
Scopus rating (2010): 1.365 1.471

BFI (2009): BFI-level 2
Scopus rating (2009): 1.287 1.471
BFI (2008): BFI-level 2
Scopus rating (2008): 1.109 1.301
Scopus rating (2007): 1.039 1.322
Scopus rating (2006): 1.015 1.407
Scopus rating (2005): 1.075 1.272
Scopus rating (2004): 0.861 1.269
Scopus rating (2003): 0.901 1.184
Scopus rating (2002): 0.817 1.123
Scopus rating (2001): 0.824 1.061
Scopus rating (2000): 0.816 1.099
Scopus rating (1999): 0.726 1.068
Original language: English
DOIs:
10.1016/S0378-1135(00)00349-7
Source: orbit
Source-ID: 230737
Publication: Research - peer-review › Journal article – Annual report year: 2001

Designing serological surveillance programmes to document freedom from disease with special reference to exotic viral diseases of pigs in Denmark

Surveillance programmes based on laboratory screening tests are increasingly used to document freedom from disease in order to facilitate trade, The following aspects must be considered when designing such programmes: diseases to be selected; epidemiology of the diseases; unit of analysis (animal or herd); target age group (or target farm type); test characteristics and sample size. Issues related to these aspects are discussed and illustrated using the example of serological surveillance for exotic viral diseases in the pig population of Denmark, Sampling designs based on individual animal samples are compared with herd-based sampling (two-stage sampling). While the latter is likely to require a larger sample size, the increased level of information and the reliability of the results obtained are considered to be worth the expense. Issues related to the development of international standards for declaring freedom from disease are discussed. The authors conclude that international standards are desirable, providing that these standards represent scientifically valid principles.

General information

State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Sektion for Eksotiske Virussygdomme, Division of Virology, National Veterinary Institute
Authors: Stark, K. (Ekstern), Mortensen, S. (Ekstern), Olsen, A. (Ekstern), Barfod, K. (Intern), Bøtner, A. (Intern), Lavritsen, D. (Ekstern), Strandbygård, B. (Ekstern)
Keywords: (sample size, exotic diseases, surveillance, pigs, Denmark, serology)
Pages: 715-724
Publication date: 2000
Main Research Area: Technical/natural sciences

Publication information

Journal: Revue Scientifique Et Technique De L Office International Des Epizooties
Volume: 19
Issue number: 3
ISSN (Print): 0253-1933
Ratings:
BFI (2015): BFI-level 1
Scopus rating (2015): 0.546 0.627
BFI (2014): BFI-level 1
Scopus rating (2014): 0.541 0.715
BFI (2013): BFI-level 1
Scopus rating (2013): 0.423 0.561
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 1
Scopus rating (2012): 0.52 0.516

ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 1
Scopus rating (2011): 0.606 0.619
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 1
Scopus rating (2010): 0.62 0.628
BFI (2009): BFI-level 1
Scopus rating (2009): 0.404 0.631
BFI (2008): BFI-level 1
Scopus rating (2008): 0.381 0.729
Scopus rating (2007): 0.427 0.778
Scopus rating (2006): 0.409 0.629
Scopus rating (2005): 0.462 0.756
Scopus rating (2004): 0.579 0.937
Scopus rating (2003): 0.6 1.195
Scopus rating (2002): 0.583 0.939
Scopus rating (2001): 0.451 0.668
Scopus rating (2000): 0.273 0.337
Scopus rating (1999): 0.318 0.412
Original language: English
Source: orbit
Source-ID: 230776
Publication: Research - peer-review › Journal article – Annual report year: 2000

Maximum likelihood and Gibbs sampling estimation of sensitivity and specificity of a blocking ELISA and two immune peroxidase assays for measuring antibodies against PRRS-virus

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Epidemiology and public sector consultancy, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Sektion for Eksotiske Virussygdomme, Division of Virology
Authors: Barfod, K. (Intern), Enøe, C. (Intern), Bøtner, A. (Intern), Strandbygaard, B. (Intern)
Publication date: 2000
Event: Abstract from 16th International Pig Veterinary Society Congress, Melbourne, Australia.
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 241761
Publication: Research › Conference abstract for conference – Annual report year: 2000

Transfer of pathogens from sows to offspring

General information
State: Published
Organisations: Section for Veterinary Diagnostics, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Sektion for Eksotiske Virussygdomme, Division of Virology, Management, Secretariat
Authors: Lavritsen, D. T. (Ekstern), Angen, Ø. (Intern), Barfod, K. (Intern), Bøtner, A. (Intern), Lohse, L. (Intern), Møller, K. (Intern), Nielsen, J. (Intern), Sørensen, V. (Intern), Vigre, H. (Intern)
Publication date: 2000

Host publication information
Title of host publication: Proceedings of the 16th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 16th International Pig Veterinary Society Congress, Melbourne, Australia, 17/09/2000 - 17/09/2000
Source: orbit
Source-ID: 240230
Publication: Research - peer-review › Article in proceedings – Annual report year: 2000

Transfer of pathogens from sows to offspring

General information
State: Published
Organisations: Section for Veterinary Diagnostics, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Sektion for Eksotiske Virussygdomme, Division of Virology, Secretariat
Authors: Lavritsen, D. T. (Ekstern), Angen, Ø. (Intern), Barfod, K. (Intern), Bøtner, A. (Intern), Lohse, L. (Intern), Møller, K. (Ekstern), Nielsen, J. (Ekstern), Sørensen, V. (Intern), Vigre, H. (Intern)
Publication date: 2000
Event: Abstract from 16th International Pig Veterinary Society Congress, Melbourne, Australia.
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 241264
Publication: Research › Conference abstract for conference – Annual report year: 2000

Distribution of serotypes and Apx-genes in Actinobacillus pleuropneumoniae isolated from Danish SPF herds

General information
State: Published
Organisations: Section for Veterinary Diagnostics, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Secretariat, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Angen, Ø. (Intern), Sørensen, V. (Intern), Gram, T. (Ekstern), Barfod, K. (Intern)
Publication date: 1998

Host publication information
Title of host publication: Proceedings of the 15th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 15th International Pig Veterinary Society Congress, Birmingham, United Kingdom, 05/07/1998 - 05/07/1998
Source: orbit
Source-ID: 240225
Publication: Research - peer-review › Article in proceedings – Annual report year: 1998

Evaluation and application of ribotyping for epidemiological studies of Actinobacillus pleuropneumoniae in Denmark
The aim of the present study was to evaluate ribotyping as an epidemiological tool for Actinobacillus pleuropneumoniae and apply the method in studies of A. pleuropneumoniae infections in Danish pig herds. The evaluation of ribotyping was based on the 13 international reference strains and 106 epidemiologically unrelated Danish field strains representing the nine serotypes of biotype 1 (1, 2, 5A/B, 6, 7, 8, 10, 12, and K2:O7) and one serotype 14 of biotype 2. Enzymes CfoI and HindIII were chosen for generation of ribotype patterns. Ribotyping of the reference strains resulted in 10 CfoI types and II HindIII types. Ribotyping of the Danish strains resulted in 17 different CfoI ribotypes and 24 different HindIII ribotypes. Combining HindIII- and CfoI-ribotyping divided the Danish strains into 26 different types. The stability, reproducibility and typability of ribotype patterns were good, and the discriminatory power was between 0.85-0.89. The relatively low discriminatory power was caused by four predominant types, containing 61% of the isolates. The typing system was applied in studies of routes of infection of specific pathogen-free (SPF) pig herds and included 112 strains of A. pleuropneumoniae. Airborne transmission from neighboring conventional pig farms was investigated in 12 cases of infected SPF herds. Transmission via vehicles transporting pigs between SPF herds was investigated in nine cases while transmission by trading of pigs between SPF herds was investigated in two cases. Serotype 2 was isolated from all SPF herds included in this study, except one, emphasizing the high prevalence of this serotype in Denmark. By ribotyping, airborne transmission was indicated in five of 12 cases, transmission via pig transporting vehicle was indicated in six of nine cases, and transmission via trading was indicated in one of two cases. In many cases findings of predominant ribotypes made interpretations of suspected routes of transmission difficult. The relationship of strains based on ribotypes was calculated using Dices coefficient and clustered by UPGMA. HindIII ribotypes of serotype 2 strains were closely related, though only showing 33% similarity to HindIII ribotypes of remaining serotypes. (C) 1998 Elsevier Science B.V. All rights reserved.

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Communications and Management Secretariat
Authors: Fussing, V. (Ekstern), Barfod, K. (Intern), Nielsen, R. (Ekstern), Møller, K. (Ekstern), Nielsen, J. (Ekstern), Wegener, H. C. (Intern), Bisgaard, M. (Ekstern)
Keywords: (epidemiology - bacteria, Actinobacillus pleuropneumoniae, Denmark, ribotyping)
Pages: 145-162
Publication date: 1998
Main Research Area: Technical/natural sciences

Publication information

Journal: Veterinary Microbiology
Volume: 62
Issue number: 2
ISSN (Print): 0378-1135
Ratings:
BFI (2015): BFI-level 2
Scopus rating (2015): 1.381 1.123
BFI (2014): BFI-level 2
Scopus rating (2014): 1.274 1.242
BFI (2013): BFI-level 2
Scopus rating (2013): 1.42 1.481
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): 1.433 1.581
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 2
Scopus rating (2011): 1.55 1.74
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 2
Scopus rating (2010): 1.365 1.471
BFI (2009): BFI-level 2
Scopus rating (2009): 1.287 1.471
BFI (2008): BFI-level 2
Scopus rating (2008): 1.109 1.301
Scopus rating (2007): 1.039 1.322
Scopus rating (2006): 1.015 1.407
Scopus rating (2005): 1.075 1.272
Scopus rating (2004): 0.861 1.269
Scopus rating (2003): 0.901 1.184
Scopus rating (2002): 0.817 1.123
Scopus rating (2001): 0.824 1.061
Scopus rating (2000): 0.816 1.099
Scopus rating (1999): 0.726 1.068
Original language: English
Source: orbit
Source-ID: 237893
Publication: Research - peer-review › Journal article – Annual report year: 1998

Inoculation of pigs with Actinobacillus pleuropneumoniae serotypes 1, 5b, 6, 7, 8, 10 and 12: Clinical, serological, microbiological and pathological observations

General information

State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Sørensen, V. (Intern), Nielsen, J. P. (Ekstern), Barfod, K. (Intern), Schirmer, A. L. (Ekstern)
Publication date: 1998

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Title of host publication: Proceedings of the 15th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 15th International Pig Veterinary Society Congress, Birmingham, United Kingdom, 05/07/1998 - 05/07/1998
Source: orbit
Source-ID: 240222
Publication: Research - peer-review › Article in proceedings – Annual report year: 1998

Evaluation of a polyclonal blocking ELISA and a complement fixation test detecting antibodies to Actinoba¬cillus pleuropneumoniae serotype 2 in pig serum

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics, Section for Veterinary Epidemiology and public sector consultancy
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Feld, N. C. (Intern), Nielsen, J. P. (Ekstern), Enøe, C. (Intern), Willeberg, P. (Ekstern)
Publication date: 1997

Host publication information
Title of host publication: Épidémiologie et Santé Animale
Volume: 31-32, 12.C.43
Main Research Area: Technical/natural sciences
Conference: AEEMA, 01/01/1997
Source: orbit
Source-ID: 240217
Publication: Research - peer-review › Article in proceedings – Annual report year: 1997

Mycoplasma hyopneumoniae infection in pigs; duration of the disease and evaluation of four diagnostic assays

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics, Technical University of Denmark
Authors: Sørensen, V. (Intern), Ahrens, P. (Intern), Barfod, K. (Intern), Feenstra, A. A. (Intern), Feld, N. C. (Intern), Friis, N. F. (Ekstern), Bille-Hansen, V. (Intern), Jensen, N. E. (Ekstern), Pedersen, M. W. (Ekstern)
Pages: 23-34
Publication date: 1997
Main Research Area: Technical/natural sciences

Publication information
Journal: Veterinary Microbiology
Volume: 54
Issue number: 1
ISSN (Print): 0378-1135
Ratings:
BFI (2015): BFI-level 2
Scopus rating (2015): 1.381 1.123
BFI (2014): BFI-level 2
Scopus rating (2014): 1.274 1.242
BFI (2013): BFI-level 2
Scopus rating (2013): 1.42 1.481
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): 1.433 1.581
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 2
Scopus rating (2011): 1.55 1.74
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 2
Scopus rating (2010): 1.365 1.471
BFI (2009): BFI-level 2
Scopus rating (2009): 1.287 1.471
BFI (2008): BFI-level 2
Scopus rating (2008): 1.109 1.301
Scopus rating (2007): 1.039 1.322

Scopus rating (2006): 1.015 1.407
Scopus rating (2005): 1.075 1.272
Scopus rating (2004): 0.861 1.269
Scopus rating (2003): 0.901 1.184
Scopus rating (2002): 0.817 1.123
Scopus rating (2001): 0.824 1.061
Scopus rating (2000): 0.816 1.099
Scopus rating (1999): 0.726 1.068
Original language: English
DOIs:
10.1016/S0378-1135(96)01266-7
Source: orbit
Source-ID: 240012
Publication: Research - peer-review › Journal article – Annual report year: 1997

Comparison of Efficacy of Penethamate (Leocillin) and Tiamulin (Tiamutin) in Experimentally Induced Actinobacillus pleuropneumoniae (Ap) Infection in Pigs

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute
Authors: Barfod, K. (Intern), Sørensen, V. (Intern), Szancer, J. (Ekstern)
Publication date: 1996

Host publication information
Title of host publication: Proceedings of the 14th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 14th International Pig Veterinary Society Congress, Bologna, Italy, 07/07/1996 - 07/07/1996
Source: orbit
Source-ID: 240146
Publication: Research - peer-review › Article in proceedings – Annual report year: 1996

Efficacy of Mecillinam in Experimentally Induced Actinobacillus pleuropneumoniae Infection in Pigs

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Szancer, J. (Ekstern)
Publication date: 1996

Host publication information
Title of host publication: Proceedings of the 14th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 14th International Pig Veterinary Society Congress, Bologna, Italy, 07/07/1996 - 07/07/1996
Source: orbit
Source-ID: 240145
Publication: Research - peer-review › Article in proceedings – Annual report year: 1996

Evaluation of a Polyclonal Blocking ELISA Detecting Antibodies to Actinobacillus pleuropneumoniae Serotype 2 in pig serum

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Nielsen, J. P. (Ekstern), Feld, N. C. (Intern)
Publication date: 1996

Host publication information
Title of host publication: Proceedings of the 14th International Pig Veterinary Society Congress

Main Research Area: Technical/natural sciences
Conference: 14th International Pig Veterinary Society Congress, Bologna, Italy, 07/07/1996 - 07/07/1996
Source: orbit
Source-ID: 240147
Publication: Research - peer-review › Article in proceedings – Annual report year: 1996

Immune prophylaxis against enzootic pneumonia

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Petersen, B. K. (Ekstern), Sørensen, V. (Intern), Barfod, K. (Intern)
Pages: 266-269
Publication date: 1995

Host publication information
Title of host publication: Proceedings of XVI Symposium de Anaporc, Expoaviga
Main Research Area: Technical/natural sciences
Conference: XVI Symposium de Anaporc, Expoaviga, Barcelona, Spain, 01/01/1995
Source: orbit
Source-ID: 240144
Publication: Research - peer-review › Article in proceedings – Annual report year: 1995

Serologiske metoder til diagnostik af luftvejslidelser

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Sørensen, V. (Intern), Barfod, K. (Intern)
Pages: 3-5
Publication date: 1995
Main Research Area: Technical/natural sciences

Publication information
Journal: Veterinær Information
Volume: 1
ISSN (Print): 0906-253X
Original language: Danish
Source: orbit
Source-ID: 240264
Publication: Research › Journal article – Annual report year: 1995

Comparison of four different methods for demonstration of Mycoplasma hyopneumoniae in lungs of experimentally inoculated pigs

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Ahrens, P. (Intern), Friis, N. F. (Ekstern), Feenstra, A. A. (Intern), Pedersen, M. W. (Ekstern), Feld, N. C. (Intern), Jensen, N. E. (Ekstern)
Number of pages: 188
Publication date: 1994

Host publication information
Title of host publication: Proceedings of the 13th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 13th International Pig Veterinary Society Congress, Bangkok, Thailand, 26/06/1994 - 26/06/1994
Source: orbit
Source-ID: 240136
Publication: Research - peer-review › Article in proceedings – Annual report year: 1994

Demonstration of Mycoplasma hyopneumoniae by a monoclonal sandwich ELISA

General information
State: Published
Organisations: National Veterinary Institute, Section for Veterinary Diagnostics, Division of Veterinary Diagnostics and Research, Secretariat, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Friis, N. F. (Ekstern), Pedersen, M. W. (Ekstern), Ahrens, P. (Intern), Feenstra, A. A. (Intern), Feld, N. C. (Intern), Sørensen, V. (Intern), Barfod, K. (Intern)
Publication date: 1994
Event: Abstract from IOM, .
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 240143
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 1994

Evaluation of a monoclonal blocking ELISA detecting antibodies to Mycoplasma hyopneumoniae on a single-pig level

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Section for Veterinary Diagnostics
Authors: Barfod, K. (Intern), Sørensen, V. (Intern), Feld, N. C. (Intern)
Number of pages: 189
Publication date: 1994

Host publication information
Title of host publication: Proceedings of the 13th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 13th International Pig Veterinary Society Congress, Bangkok, Thailand, 26/06/1994 - 26/06/1994
Source: orbit
Source-ID: 240137
Publication: Research - peer-review › Article in proceedings – Annual report year: 1994

Evaluation of a Polyclonal Blocking ELISA Detecting Antibodies to Actinobacillus pleuropneumoniae Serotype 2

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Nielsen, R. (Ekstern), Feld, N. C. (Intern), Nielsen, J. P. (Ekstern), Christensen, J. (Ekstern)
Number of pages: 55
Publication date: 1994

Host publication information
Title of host publication: Abstract book-P38
Main Research Area: Technical/natural sciences
Conference: HAP Conference, Edinburgh, Scotland, 01/01/1994
Source: orbit
Source-ID: 240140
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 1994

Evaluation of four laboratory methods for demonstration of Mycoplasma hyopneumoniae in the lungs of pigs

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Ahrens, P. (Intern), Friis, N. F. (Ekstern), Feenstra, A. A. (Intern), Pedersen, M. W. (Ekstern), Feld, N. C. (Intern), Jensen, N. E. (Ekstern)
Publication date: 1994

Host publication information
Title of host publication: Proceedings of the VII th. International Symposium in World Association of Veterinary Laboratory Diagnosticians
Main Research Area: Technical/natural sciences
Conference: VII th. International Symposium in World Association of Veterinary Laboratory Diagnosticians, Buenos Aires, Argentina, 01/01/1994
Source: orbit
Source-ID: 240139
Publication: Research - peer-review › Article in proceedings – Annual report year: 1994

Humoralt immunrespons ved M. hyopneumononiae infektion

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Feenstra, A. A. (Intern)
Pages: 6-8
Publication date: 1994
Main Research Area: Technical/natural sciences

Publication information
Journal: Veterinær Information
Volume: 4
ISSN (Print): 0906-253X
Original language: Danish
Source: orbit
Source-ID: 240257
Publication: Research › Journal article – Annual report year: 1994

Methods of Evaluation of the Degree of Atrophic Rhinitis

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute
Authors: Barfod, K. (Intern), Sørensen, V. (Intern), Nielsen, J. P. (Ekstern)
Publication date: 1994
Event: Abstract from Den Danske Dyrlægeforenings årsmøde, Askov, Denmark.
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 240291
Publication: Research › Conference abstract for conference – Annual report year: 1994

Mycoplasmainfektioner hos svin

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute
Authors: Barfod, K. (Intern), Sørensen, V. (Intern)
Pages: 9-14
Publication date: 1994
Main Research Area: Technical/natural sciences

Publication information
Journal: Veterinær Information
Volume: 6
ISSN (Print): 0906-253X
Original language: Danish
Source: orbit
Source-ID: 240263
Publication: Research › Journal article – Annual report year: 1994

Nysesyge - vaccineudvikling og afprøvning

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute
Authors: Barfod, K. (Intern), Sørensen, V. (Intern)
Publication date: 1994
Main Research Area: Technical/natural sciences

Publication information
Journal: Ugeudsendelser
Original language: Danish
Source: orbit
Source-ID: 240261
Publication: Communication › Journal article – Annual report year: 1994

Protection against Progressive Atrophic Rhinitis with a Recombinant Pasteurella multocida Toxin Derivative

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Nielsen, J. P. (Ekstern), Foged, N. T. (Ekstern), Sørensen, V. (Intern), Barfod, K. (Intern), Jensen, A. B. (Ekstern) , Petersen, S. K. (Ekstern)
Publication date: 1994
Event: Abstract from Den Danske Dyrlægeforenings årsmøde, Askov, Denmark.
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 240292
Publication: Research › Conference abstract for conference – Annual report year: 1994

Sammenligning af fire forskellige metoder til påvisning af M. hyopneumoniae

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Ahrens, P. (Intern), Friis, N. F. (Ekstern), Feenstra, A. A. (Intern), Pedersen, M. W. (Ekstern), Feld, N. C. (Intern), Jensen, N. E. (Ekstern)
Pages: 24-25
Publication date: 1994
Main Research Area: Technical/natural sciences

Publication information
Journal: Veterinær Information
Volume: 4
ISSN (Print): 0906-253X
Original language: Danish
Source: orbit
Source-ID: 240259
Publication: Research › Journal article – Annual report year: 1994

The humoral immune response to experimental Mycoplasma hyopneumoniae infection in pigs in relation to clinical signs and pathological lesions

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Feenstra, A. A. (Intern), Feld, N. C. (Intern)
Number of pages: 190

Publication date: 1994

Host publication information
Title of host publication: Proceedings of the 13th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 13th International Pig Veterinary Society Congress, Bangkok, Thailand, 26/06/1994 - 26/06/1994
Source: orbit
Source-ID: 240138
Publication: Research - peer-review › Article in proceedings – Annual report year: 1994

Afprøvning af DAKO's ELISA-kit til detektion af antistoffer overfor Mycoplasma hyopneumoniae i svineserum

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Hansen, K. (Ekstern)
Publication date: 1993

Publication information
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 240414
Publication: Research › Report – Annual report year: 1993

Application of enzyme-linked immunosorbent assay for the surveillance of Mycoplasma hyopneumoniae infections in pigs

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Feld, N. C. (Intern), Vraa-Andersen, L. (Ekstern)
Pages: 593-604
Publication date: 1993
Main Research Area: Technical/natural sciences

Publication information
Journal: OIE Revue Scientifique et Technique
Volume: 12
Issue number: 2
ISSN (Print): 0253-1933
Ratings:
BFI (2015): BFI-level 1
Scopus rating (2015): 0.546 0.627
BFI (2014): BFI-level 1
Scopus rating (2014): 0.541 0.715
BFI (2013): BFI-level 1
Scopus rating (2013): 0.423 0.561
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 1
Scopus rating (2012): 0.52 0.516
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 1
Scopus rating (2011): 0.606 0.619
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 1
Scopus rating (2010): 0.62 0.628
BFI (2009): BFI-level 1
Scopus rating (2009): 0.404 0.631

BFI (2008): BFI-level 1
Scopus rating (2008): 0.381 0.729
Scopus rating (2007): 0.427 0.778
Scopus rating (2006): 0.409 0.629
Scopus rating (2005): 0.462 0.756
Scopus rating (2004): 0.579 0.937
Scopus rating (2003): 0.6 1.195
Scopus rating (2002): 0.583 0.939
Scopus rating (2001): 0.451 0.668
Scopus rating (2000): 0.273 0.337
Scopus rating (1999): 0.318 0.412
Original language: English
Source: orbit
Source-ID: 240009
Publication: Research - peer-review › Journal article – Annual report year: 1993

Effekt af Tiamulin terapi ved eksperimentelt fremkaldt Glässers syge

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Scancer, J. (Ekstern)
Publication date: 1993

Publication information
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 240413
Publication: Research › Report – Annual report year: 1993

Etablering af Zoonose-fri besætninger

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute
Authors: Barfod, K. (Intern), Sørensen, V. (Intern)
Pages: 37-40
Publication date: 1993
Main Research Area: Technical/natural sciences

Publication information
Journal: Veterinær Information
Volume: 4
ISSN (Print): 0906-253X
Original language: Danish
Source: orbit
Source-ID: 240253
Publication: Research › Journal article – Annual report year: 1993

Mycoplasma infektioner hos svin

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute
Authors: Barfod, K. (Intern), Sørensen, V. (Intern)
Publication date: 1993
Event: Abstract from Svinefagdyrlæge kursus, .

Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 240289
Publication: Research › Conference abstract for conference – Annual report year: 1993

Prospects of the Danish SPF up to 2000

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute
Authors: Barfod, K. (Intern), Sørensen, V. (Intern)
Publication date: 1993

Host publication information
Title of host publication: Proceedings of the Anual meeting of the European Association of Animal Production
Main Research Area: Technical/natural sciences
Conference: Anual meeting of the European Association of Animal Production, Århus, Denmark, 01/01/1993
Source: orbit
Source-ID: 240134
Publication: Research - peer-review › Article in proceedings – Annual report year: 1993

Besætnings-sanering for serologiske reagenter imod Mycoplasma hyopneumoniae.

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Sørensen, V. (Intern), Barfod, K. (Intern)
Publication date: 1992

Publication information
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 240412
Publication: Research › Report – Annual report year: 1992

Calculation of Herd Sensitivity and Herd Specificity for a Monoclonal Blocking ELISA Detecting Antibodies to Mycoplasma hyopneumoniae in Pig Serum and Colostrum

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Feld, N. C. (Intern)
Number of pages: 138
Publication date: 1992

Host publication information
Title of host publication: Proceedings of the International Organization for Mycoplasmology
Main Research Area: Technical/natural sciences
Conference: International Organization for Mycoplasmology, 01/01/1992
Source: orbit
Source-ID: 240133
Publication: Research - peer-review › Article in proceedings – Annual report year: 1992

Establishing of a Mycoplasma hyopneumoniae serological negative herd

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute

Authors: Sørensen, V. (Intern), Barfod, K. (Intern)
Number of pages: 560
Publication date: 1992

Host publication information
Title of host publication: Proceedings of the12th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 12th International Pig Veterinary Society Congress, Hague, Netherlands, 17/08/1992 - 17/08/1992
Source: orbit
Source-ID: 240130
Publication: Research - peer-review › Article in proceedings – Annual report year: 1992

Evaluation of a monoclonal blocking ELISA and IHA for antibodies to Mycoplasma hyopneumoniae in SPF-pig herds

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Feld, N. C. (Intern)
Pages: 488-490
Publication date: 1992
Main Research Area: Technical/natural sciences

Publication information
Journal: Veterinary Record
Volume: 130
Issue number: 22
ISSN (Print): 0042-4900
Ratings:
BFI (2015): BFI-level 1
Scopus rating (2015): 0.526 0.718
BFI (2014): BFI-level 1
Scopus rating (2014): 0.465 0.828
BFI (2013): BFI-level 1
Scopus rating (2013): 0.47 0.824
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 1
Scopus rating (2012): 0.492 0.88
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 1
Scopus rating (2011): 0.563 0.901
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 1
Scopus rating (2010): 0.573 0.836
BFI (2009): BFI-level 1
Scopus rating (2009): 0.627 0.991
BFI (2008): BFI-level 2
Scopus rating (2008): 0.548 0.854
Scopus rating (2007): 0.497 0.815
Scopus rating (2006): 0.637 0.952
Scopus rating (2005): 0.579 0.917
Scopus rating (2004): 0.614 0.953
Scopus rating (2003): 0.556 0.949
Scopus rating (2002): 0.589 1.023
Scopus rating (2001): 0.595 1.13
Scopus rating (2000): 0.721 1.169
Scopus rating (1999): 0.652 1.112
Original language: English
Source: orbit

Source-ID: 240006
Publication: Research - peer-review › Journal article – Annual report year: 1992

Evaluation of a monoclonal blocking enzyme-linked immunosorbent assay detecting antibodies to Mycoplasma hyopneumoniae in pig serum and colostrum

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Feld, N. C. (Intern)
Number of pages: 310
Publication date: 1992

Host publication information
Title of host publication: Proceedings of the12th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 12th International Pig Veterinary Society Congress, Hague, Netherlands, 17/08/1992 - 17/08/1992
Source: orbit
Source-ID: 240129
Publication: Research - peer-review › Article in proceedings – Annual report year: 1992

Evaluation of a monoclonal blocking enzyme-linked immunosorbent assay detecting antibodies to Mycoplasma hyopneumoniae in pig serum and Colostrum

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute, Section for Veterinary Diagnostics
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Feld, N. C. (Intern)
Number of pages: 294
Publication date: 1992

Host publication information
Title of host publication: Proceedings of the International Symposium in World Association of Veterinary Laboratory Diagnosticians
Main Research Area: Technical/natural sciences
Conference: International Symposium in World Association of Veterinary Laboratory Diagnosticians, Lyon, France, 01/01/1992
Source: orbit
Source-ID: 240128
Publication: Research - peer-review › Article in proceedings – Annual report year: 1992

Mycoplasma hyopneumoniae - Diagnostics and Elimination

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Sørensen, V. (Intern), Barfod, K. (Intern)
Publication date: 1992
Event: Abstract from Smithkline Beecham Mini-symposium, Tåstrup, Denmark, .
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 240283
Publication: Research › Conference abstract for conference – Annual report year: 1992

Surveillance for antibodies against Mycoplasma hyopneumoniae in SPF breeding and production herds

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute

Authors: Barfod, K. (Intern), Sørensen, V. (Intern)
Number of pages: 560
Publication date: 1992

Host publication information
Title of host publication: Proceedings of the 12th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 12th International Pig Veterinary Society Congress, Hague, Netherlands, 17/08/1992 - 17/08/1992
Source: orbit
Source-ID: 240132
Publication: Research - peer-review › Article in proceedings – Annual report year: 1992

Mecillinam - effekt overfor eksperimentelt fremkaldt infektion med Actinobacillus pleuropneumoniae serotype 2 hos svin

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Scancer, J. (Ekstern)
Publication date: 1991

Publication information
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 240411
Publication: Research › Report – Annual report year: 1991

Vaccination against progressive atrophic rhinitis with a recombinant

General information
State: Published
Organisations: Sektion for Eksotiske Virussygdomme, Division of Virology, National Veterinary Institute, Secretariat, Division of Veterinary Diagnostics and Research, Division of Microbiology and Risk Assessment, National Food Institute, Technical University of Denmark
Authors: Nielsen, J. (Intern), Foged, N. T. (Ekstern), Sørensen, V. (Intern), Barfod, K. (Intern), Bording, A. (Ekstern), Petersen, S. K. (Ekstern)
Pages: 128-138
Publication date: 1991
Main Research Area: Technical/natural sciences

Publication information
Journal: Canadian Journal of Veterinary Research
Volume: 55
Issue number: 2
ISSN (Print): 0830-9000
Ratings:
BFI (2015): BFI-level 1
Scopus rating (2015): 0.49 0.524
BFI (2014): BFI-level 1
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BFI (2013): BFI-level 1
Scopus rating (2013): 0.525 0.734
ISI indexed (2013): ISI indexed yes
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Scopus rating (2012): 0.516 0.827
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Scopus rating (2011): 0.642 0.85
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 1

Scopus rating (2010): 0.744 0.777
BFI (2009): BFI-level 1
Scopus rating (2009): 0.696 0.856
BFI (2008): BFI-level 1
Scopus rating (2008): 0.558 0.778
Scopus rating (2007): 0.506 0.614
Scopus rating (2006): 0.536 0.744
Scopus rating (2005): 0.746 0.856
Scopus rating (2004): 0.751 1.11
Scopus rating (2003): 0.641 0.977
Scopus rating (2002): 0.516 0.744
Scopus rating (2001): 0.591 0.832
Scopus rating (2000): 0.531 0.865
Scopus rating (1999): 0.557 0.689
Original language: English
Source: orbit
Source-ID: 240003
Publication: Research - peer-review › Journal article – Annual report year: 1991

Effect of degree of atrophy and serum antitoxin titer on the daily weight gain and feed conversion

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute
Authors: Sørensen, V. (Intern), Barfod, K. (Intern), Nielsen, J. P. (Ekstern), Foged, N. T. (Ekstern)
Number of pages: 57
Publication date: 1990

Host publication information
Title of host publication: Proceedings of the 11th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 11th International Pig Veterinary Society Congress, Lausanne, Switzerland, 01/07/1990 - 01/07/1990
Source: orbit
Source-ID: 240121
Publication: Research - peer-review › Article in proceedings – Annual report year: 1990

Methods of evaluation of the degree of atrophic rhinitis

General information
State: Published
Organisations: Division of Microbiology and Risk Assessment, National Food Institute, Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute
Authors: Barfod, K. (Intern), Sørensen, V. (Intern), Nielsen, J. P. (Ekstern)
Number of pages: 70
Publication date: 1990

Host publication information
Title of host publication: Proceedings of the 11th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 11th International Pig Veterinary Society Congress, Lausanne, Switzerland, 01/07/1990 - 01/07/1990
Source: orbit
Source-ID: 240123
Publication: Research - peer-review › Article in proceedings – Annual report year: 1990

Protection against progressive atrophic rhinitis with a recombinant Pasteurella multocida toxin derivative

General information
State: Published
Organisations: Secretariat, Division of Veterinary Diagnostics and Research, National Veterinary Institute, Division of Microbiology and Risk Assessment, National Food Institute

Authors: Nielsen, J. P. (Ekstern), Foged, N. T. (Ekstern), Sørensen, V. (Intern), Barfod, K. (Intern), Jensen, A. B. (Intern), Petersen, S. K. (Ekstern)
Number of pages: 55
Publication date: 1990

Host publication information
Title of host publication: Proceedings of the 11th International Pig Veterinary Society Congress
Main Research Area: Technical/natural sciences
Conference: 11th International Pig Veterinary Society Congress, Lausanne, Switzerland, 01/07/1990 - 01/07/1990
Source: orbit
Source-ID: 240118
Publication: Research - peer-review › Article in proceedings – Annual report year: 1990

Activities:

Can food safety risk management decisions be risk based without consumer stage modelling?
Kristen Barfod (Speaker)
National Food Institute, Division of Microbiology and Risk Assessment

Details
Date: 1 Sep 2008 → 4 Sep 2008

Description
Place: Aberdeen, Scotland
Activity: Lecture and oral contribution

Surveillance and control of salmonella in pigs and pork in Denmark
Kristen Barfod (Course lecturer)
National Food Institute, Division of Microbiology and Risk Assessment

Details
Institution/organisation/company information: Spain
Date: 16 Sep 2008 → 18 Sep 2008
Activity: Other research and communication activities › External teaching and subject coordination

Estimation of optimal cutoff for ELISA assays using latent class methods and ROC analysis
Kristen Barfod (Speaker)
National Food Institute, Division of Microbiology and Risk Assessment

Details
Date: 1 Jan 2006 → …

Description
Place: The 11th Symposium of the International Society for Veterinary Epidemiology and Economics, Cairns, Australia
Activity: Lecture and oral contribution