

## Edema Disease Of Swine

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### Recent Publications on Edema Disease Of Swine:

- [Phenotyping of E. coli serotypes associated to oedema disease.](#)  
*BACKGROUND: Oedema disease is a severe disease, mainly affecting recently...*13th August, 2008  
National Veterinary Institute, SVA 751 89 Uppsala, Sweden.- Acta Vet Scand. 2008 Jun 2;50:13. ([DOI Direct Link](#))
- [The effect of intramuscular administration of colistin on the development and course of experimentally induced oedema disease in weaned piglets.](#)  
*Shiga-toxigenic E. coli (STEC) strains that produce Shiga toxin Stx2e...*7th May, 2008  
Veterinary Research Institute, Hudcova 70, Brno, Czech Republic.- Vet Microbiol. 2008 Apr 1;128(1-2):160-6. Epub 2007 Oct 2. ([DOI Direct Link](#))
- [DNA microarray-based identification of serogroups and virulence gene patterns of Escherichia coli isolates associated with porcine postweaning diarrhea and edema disease.](#)  
*Escherichia coli strains causing postweaning diarrhea (PWD) and edema...*7th March, 2008  
TEDA School of Biological Sciences and Biotechnology, Nankai University,- Appl Environ Microbiol. 2007 Jun;73(12):4082-8. Epub 2007 Apr 20. ([DOI Direct Link](#))
- [Monoclonal antibodies reveal a weak interaction between the F18 fimbrial adhesin FedF and the major subunit FedA.](#)  
*F18+ Escherichia coli can cause post-weaning diarrhoea and oedema disease...*1st November, 2007  
Laboratory of Veterinary Immunology, Faculty of Veterinary Medicine, Ghent- Vet Microbiol. 2007 Jan 31;119(2-4):115-20. Epub 2006 Sep 10. ([DOI Direct Link](#))
- [Virulence and fitness gene patterns of Shiga toxin-encoding Escherichia coli isolated from pigs with edema disease or diarrhea in Germany.](#)  
*Fecal Escherichia coli isolates (n = 3,218) from piglets with edema...*20th September, 2007  
Institute for Hygiene and Infectious Diseases of Animals, Justus Liebig- Berl Munch Tierarztl Wochenschr. 2007 Jul-Aug;120(7-8):307-16.
- [The age-dependent expression of the F18+ E. coli receptor on porcine gut epithelial cells is positively correlated with the presence of histo-blood group antigens.](#)  
*F18(+)Escherichia coli have the ability to colonize the gut and cause...*1st August, 2007  
Laboratory of Veterinary Immunology, Faculty of Veterinary Medicine, Ghent- Vet Microbiol. 2007 Jun 21;122(3-4):332-41. Epub 2007 Feb 16. ([DOI Direct Link](#))
- [A study of edema disease in pigs in Vietnam with particular reference to the use of autovaccine for the prevention of disease.](#)  
*Edema disease caused by Escherichia coli is one of the most common...*21st April, 2007  
Department of Bacteriology, National Institute of Veterinary Research,- Ann N Y Acad Sci. 2006

- Oct;1081:531-3. ([DOI Direct Link](#))
- [Evaluation of the low dose level of a heat-killed and dried cell preparation of \*Enterococcus faecalis\* to prevent porcine edema disease using experimental infection model with enterotoxigenic \*Escherichia coli\* in weaning pigs.](#)  
*Porcine edema disease (ED) is caused by Shiga toxin 2e-producing...*20th April, 2007  
 Laboratory of Animal Science, Kyoto Prefectural University, Shimogamo,- J Vet Med Sci. 2007 Feb;69(2):103-9.
  - [Edema disease caused by a clone of \*Escherichia coli\* O147.](#)  
*Edema disease is a systemic disease of weaned pigs caused by host-adapted...*28th October, 2006  
 Department of Veterinary Microbiology, Iowa State University, 2130 Vet.- J Clin Microbiol. 2006 Sep;44(9):3074-7. ([DOI Direct Link](#))
  - [PCR detection of virulence factor genes in \*Escherichia coli\* isolates from weaned piglets with edema disease and/or diarrhea in China.](#)  
*Fimbriae, toxins and pathogenicity islands (PAIs) are main virulence...*27th September, 2006  
 College of Veterinary Medicine, Yangzhou University, Yangzhou 225009,- Vet Microbiol. 2006 Jul 20;115(4):320-8. Epub 2006 Mar 29. ([DOI Direct Link](#))
  - [Experimental infection of enterotoxigenic \*Escherichia coli\* associated with porcine edema disease and its pathologic characteristics in the intestine.](#)  
*Edema disease (ED) has become frequent in Japan, but no effective method...*21st June, 2006  
 Laboratory of Animal Science, Kyoto Prefectural University, Japan.- J Vet Med Sci. 2005 Nov;67(11):1167-71.
  - [Prevalence of fimbrial colonization factors F18ab and F18ac in \*Escherichia coli\* isolates from weaned piglets with edema and/or diarrhea in China.](#)  
*F18ab and F18ac are important fimbrial colonization factors of...*6th January, 2006  
 College of Veterinary Medicine, Yangzhou University, Yangzhou 225009,- Vet Microbiol. 2005 Sep 30;110(1-2):35-9. ([DOI Direct Link](#))
  - [Effect of antimicrobial agents on the production and release of shiga toxin by enterotoxigenic \*Escherichia coli\* isolates from pigs.](#)  
*Edema disease (ED) of pigs is an enterotoxigenic disease caused by...*13th November, 2004  
 Department of Veterinary Hygiene, Faculty of Agriculture, University of- J Vet Med Sci. 2004 Aug;66(8):899-903.
  - [Inhibitory activities of colicins against \*Escherichia coli\* strains responsible for postweaning diarrhea and edema disease in swine.](#)  
*The efficacies of colicins E1 and N against *Escherichia coli* strains...*2nd October, 2004  
 Department of Animal Science, Iowa State University, Ames, Iowa 50011,- Antimicrob Agents Chemother. 2004 Aug;48(8):3119-21. ([DOI Direct Link](#))
  - [Prevalence and deletion types of the pathogenicity island ETEC among \*Escherichia coli\* strains from oedema disease and colibacillosis in pigs.](#)  
*Piglet pathogenic *Escherichia coli* encoding Shiga toxin 2e and F18 adhesins...*2nd June, 2004  
 National Reference Centre for Salmonella and other Enterics, Robert Koch- Vet Microbiol. 2004 Apr 19;99(3-4):287-94. ([DOI Direct Link](#))

## Edema Disease Of Swine Patents:



- 7371393- [Methods for reducing fecal shedding](#)
- 5962423- [Treatment of bacterial dysentery](#)
- 5955449- [Diagnosis and treatment of bacterial dysentery](#)
- 5955293- [Assays for shiga toxin and shiga-like toxins](#)
- 5849714- [Treatment of bacterial dysentery](#)
- 5747272- [Detection of shiga-like toxins of enterohemorrhagic Escherichia coli](#)
- 5679653- [Diagnosis and treatment of bacterial dysentery](#)
- 5624913- [Method reducing TNF-alpha in mammals with cerebral malaria](#)
- 5620858- [Method of removing shiga-like toxins from biological samples](#)
- 5552144- [Immunogenic shiga-like toxin II variant mutants](#)
- 5516762- [Method of treating endotoxin effects with 2-haloadenosine nucleotide analogs](#)
- 5512282- [Monospecific polyclonal antibodies to shiga-like toxins](#)
- 5492898- [Method of treating endotoxin effects with 2-methylthio-ATP and analogs](#)
- 5041427- [Lipid A derivatives](#)
- 6121242- [Treatment of bacterial dysentery](#)
- 6310043- [Treatment of bacterial infections](#)
- 6355859- [Interactions between genotype and diet in swine that prevent E. coli associated intestinal disease](#)
- 7341732- [Methods for treating mastitis in a milk producing animal](#)
- 7160549- [Methods for making compositions including gram negative microbial polypeptides](#)
- 7147857- [Methods for treating high somatic cell counts](#)
- 7141408- [Plasmid maintenance system for antigen delivery](#)
- 7138125- [Methods for treating an animal for low milk production](#)
- 7138124- [Polypeptides obtained from gram negative microbes](#)
- 7138112- [Plasmid maintenance system for antigen delivery](#)
- 7125720- [Plasmid maintenance system for antigen delivery](#)
- 6977176- [Plasmid maintenance system for antigen delivery](#)
- 6969513- [Plasmid maintenance system for antigen delivery](#)
- 6703233- [Plasmid maintenance system for antigen delivery](#)
- 6596923- [Methods and compositions to identify swine genetically resistant to F18 E. coli associated diseases](#)
- 6413768- [Expression plasmids](#)
- 4918061- [Method of preventing diseases caused by gram-negative endotoxin in mammals](#)

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Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

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