

Enterotoxigenic Escherichia coli

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Enterotoxigenic Escherichia Coli is a type of Escherichia coli that can cause Traveler's diarrhea. A number of pathogenic isolates are termed ETEC, but the main hallmarks of this type of bacteria are expression of one or more enterotoxins and presence of fimbriae used for attachment to host intestinal cells. Enterotoxins produced by ETEC include heat-labile enterotoxin and heat-stable enterotoxin. LT is similar to cholera toxin; it increases the level of cAMP in intestinal cells, and this causes an increase in electrolyte and water excretion. ST stimulates production of cGMP, also leading to increased fluid excretion and diarrhea. Because enterotoxic E. coli strains are non-invasive, they do not cause inflammation, bloody diarrhea, or systemic symptoms such as fever. Category: Enterobacteria. Gastrulation is a phase early in the development of animal embryos, during which the morphology of the embryo is dramatically restructured by cell migration. Gastrulation varies in different phyla. Gastrulation is followed by organogenesis, when individual organs develop within the newly formed germ layers. ([From the Wikipedia article Enterotoxigenic Escherichia coli](#).)

Recent Publications on Enterotoxigenic Escherichia coli:



- [Molecular cloning and characterization of the porcine prostaglandin transporter \(SLCO2A1\): evaluation of its role in F4 mediated neonatal diarrhoea.](#)
BACKGROUND: Because prostaglandins are involved in many... 13th November, 2009
Department of Nutrition, Genetics and Ethology, Faculty of Veterinary- BMC Genet. 2009 Oct 6;10:64. ([DOI Direct Link](#))
- [The epidemiology of travelers' diarrhea in Incirlik, Turkey: a region with a predominance of heat-stable toxin producing enterotoxigenic Escherichia coli.](#)
This study evaluated travelers' diarrhea among US military personnel on... 12th November, 2009
Enteric Diseases Department, Naval Medical Research Center, Silver Spring,- Diagn Microbiol Infect Dis. 2009 Nov 9. ([DOI Direct Link](#))
- [The role of rifaximin in the treatment and chemoprophylaxis of travelers' diarrhea.](#)
Travelers' diarrhea is a common illness among international travelers from... 10th November, 2009
Baylor College of Medicine, Houston, TX, USA;- Ther Clin Risk Manag. 2009;5:841-8. Epub 2009 Nov 2.
- [Molecular Mechanisms of Enterotoxigenic Escherichia coli Infection.](#)
Enterotoxigenic Escherichia coli (ETEC) are a major cause of diarrheal... 4th November, 2009
Medicine Service Veterans Affairs Medical Center and University of- Microbes Infect. 2009 Oct 30. ([DOI Direct Link](#))
- [A rice-based oral cholera vaccine induces macaque-specific systemic neutralizing antibodies but does not influence pre-existing intestinal immunity.](#)

- We previously showed that oral immunization of mice with a rice-based...* 3rd November, 2009
Division of Mucosal Immunology, Department of Microbiology and Immunology,- J Immunol. 2009 Nov 15;183(10):6538-44. Epub 2009 Oct 30. ([DOI Direct Link](#))
- [Effect of stress on production of heat labile enterotoxin by Escherichia coli.](#)
Enterotoxigenic Escherichia coli (ETEC) is an important pathogen... 3rd November, 2009
Department of Microbiology, Kasturba Medical College, Mangalore - 575 001,- Indian J Med Microbiol. 2009 Oct-Dec;27(4):325-8. ([DOI Direct Link](#))
 - [\[Colony-sweep PCR efficacy in food-borne outbreak associated with six types of enterotoxigenic Escherichia coli\]](#)
A box-lunch-associated food-borne outbreak occurred in Tokyo and Chiba... 29th October, 2009
Department of Microbiology, Tokyo Metropolitan Institute of Public Health.- Kansenshogaku Zasshi. 2009 Sep;83(5):490-5.
 - [Genetic fusions of LTAB and STa toxoids of porcine enterotoxigenic Escherichia coli \(ETEC\) elicited neutralizing anti-LT and anti-STa antibodies.](#)
Enterotoxigenic Escherichia coli (ETEC) strains are a major cause of... 28th October, 2009
Department of Veterinary Science/The Center for Infectious Disease- Infect Immun. 2009 Oct 26. ([DOI Direct Link](#))
 - [Survival and gene expression of enterotoxigenic Escherichia coli during long-term incubation in sea water and freshwater.](#)
Abstract Aims: In this study, the main objective was to verify the... 7th October, 2009
WHO Collaborating Centre for Research on Enterotoxigenic Escherichia coli- J Appl Microbiol. 2009 Oct 5. ([DOI Direct Link](#))
 - [Structural and Thermodynamic Characterization of Pre- and Postpolymerization States in the F4 Fimbrial Subunit FaeG.](#)
Enterotoxigenic Escherichia coli expressing F4 fimbriae are the major... 6th October, 2009
Structural Biology Brussels, Vrije Universiteit Brussel, Pleinlaan 2, 1050- J Mol Biol. 2009 Sep 30. ([DOI Direct Link](#))
 - [Refined candidate region specified by haplotype sharing for Escherichia coli F4ab/F4ac susceptibility alleles in pigs.](#)
Summary Infection of the small intestine by enterotoxigenic Escherichia... 6th October, 2009
Department of Basic Animal and Veterinary Sciences, University of- Anim Genet. 2009 Oct 2. ([DOI Direct Link](#))
 - [Nucleotide sequence analysis of the enterotoxigenic Escherichia coli Ent plasmid.](#)
We report here the complete nucleotide sequence of pEntH10407 (65 147 bp),... 22nd September, 2009
Department of Microbiology, School of Medicine, Fujita Health University,- DNA Res. 2009 Oct;16(5):299-309. Epub 2009 Sep 18. ([DOI Direct Link](#))
 - [Identification of colonization factors of enterotoxigenic Escherichia coli with PCR-based technique.](#)
SUMMARY Colonization factors (CFs) mediate attachment of enterotoxigenic... 16th September, 2009
Section of Bacterial Infections, Thailand-Japan Research Collaboration- Epidemiol Infect. 2009 Sep 15:1-6. ([DOI Direct Link](#))
 - [Enterotoxigenic Escherichia coli in sewage-impacted waters and aquatic weeds: quantitative PCR for culture-independent enumeration.](#)
Abstract Aim: To develop quantitative PCR for culture-independent... 9th September, 2009
Indian Institute of Toxicology Research (C.S.I.R.), PO Box 80, Mahatma- J Appl Microbiol. 2009 Jul 29. ([DOI Direct Link](#))
 - [Disruption of transepithelial resistance by enterotoxigenic Escherichia coli.](#)
Transepithelial resistance and tight junction protein localization in... 8th September, 2009
Department of Veterinary Science, South Dakota State University,- Vet Microbiol. 2009 Aug 20. ([DOI Direct Link](#))

BioNews Results for Enterotoxigenic Escherichia coli

- [Characterization of the most prevalent colonization factor antigens present in Chilean clinical enterotoxigeni](#)

Diagnostic Microbiology and Infectious Disease: Oct 12 2009 9:13PM Matching: enterotoxigenic escherichia coli

- [Supplementary Content](#)

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Enterotoxigenic Escherichia coli Clinical Trials:



- [Enterotoxigenic E. Coli \(ETEC\)](#)

Enterotoxigenic Escherichia coli Patents:



- 7407790- [Recombinant double-stranded RNA phages and uses thereof](#)
- 7498027- [Methods of treatment using human tumor necrosis factor receptor TR17 antibodies](#)
- 7501123- [Human G-protein chemokine receptor \(CCR5\) HDGNR10](#)
- 7504105- [Treatment using antibodies to cytokine receptor common gamma chain like](#)
- 7507413- [Albumin fusion proteins](#)
- 7507414- [Albumin fusion proteins](#)
- 7514081- [Methods of inhibiting an immune response with anti-human endokine alpha antibodies](#)
- 7514089- [Genetically modified tumor-targeted bacteria with reduced virulence](#)
- 7521424- [Albumin fusion proteins](#)
- 7527801- [Norovirus and Sapovirus antigens](#)
- 7527802- [Vaccine for transcutaneous immunization](#)
- 7494979- [Method for treating congestive heart failure and other disorders](#)
- 7485708- [Nucleic acids encoding ara h 3 polypeptides](#)
- 7411051- [Antibodies to HDPPA04 polypeptide](#)
- 7413537- [Directed evolution of disulfide-bonded micro-proteins](#)
- 7414037- [Hydrazide-containing CFTR inhibitor compounds and uses thereof](#)
- 7425622- [Antibodies against C3a receptor](#)
- 7429646- [Antibodies to human tumor necrosis factor receptor-like 2](#)

- 7446176- [12 human secreted proteins](#)
- 7459531- [50 Human secreted proteins](#)
- 7465707- [Methods of treatment with TR10 polypeptides](#)
- 7482013- [Albumin fusion proteins](#)
- 7485304- [Non-toxic mucosal adjuvant](#)
- 7527979- [Devices and methods for rapid detection of pathogens](#)
- 7527980- [Indirect detection of cardiac markers for assessing acute myocardial infarction](#)
- 7445782- [Antibodies for preventing and treating attaching and effacing Escherichia coli \(AEEC\) associated diseases](#)
- 7582305- [Antidiarrheal agent for livestock and poultry](#)
- 7571676- [Apparatus and method for reducing microorganisms on produce using chlorine dioxide gas](#)
- 7569384- [Albumin fusion proteins](#)
- 7569219- [Recombinant double-stranded RNA phage, and use of the same](#)
- 7566540- [Monoclonal antibody which agglutinates E. coli having the CS4-CFA/I family protein](#)
- 7556831- [Method for treatment of constipation-predominant irritable bowel syndrome](#)
- 7547548- [Method for producing direct in vitro flowering and viable seed from cotyledon, radicle, and leaf explants, and plants produced therefrom](#)
- 7531163- [Enrichment methods for the detection of pathogens and other microbes](#)
- 7569542- [Anti-microbial targeting chimeric pharmaceutical](#)
- 7534433- [Method for improving body weight gain and feed conversion efficiency in animals](#)
- 7534876- [Lactobacillus acidophilus nucleic acid sequences encoding cell surface protein homologues and uses therefore](#)
- 7538209- [Lactobacillus acidophilus nucleic acid sequences encoding cell surface protein homologues and uses therefore](#)
- 7547436- [Receptor specific transepithelial transport of therapeutics](#)
- 7611883- [Plasmid maintenance](#)
- 7608429- [Methods and compositions for increasing antibody production](#)
- 7605236- [Antibodies that immunospecifically bind to B lymphocyte stimulator protein](#)
- 7604811- [Oral-intestinal vaccines against diseases caused by enteropathic organisms using antigens encapsulated within biodegradable-biocompatible microspheres](#)
- 7597891- [Synthesis of human secretory IgA for the treatment of Clostridium difficile associated diseases](#)
- 7597886- [Tumor necrosis factor-gamma](#)
- 7592159- [Antibiotic alternatives](#)
- 7586604- [Optical apparatus](#)
- 7582808- [Cellulose synthase encoding nucleic acids and uses thereof](#)
- 7592010- [Albumin fusion proteins](#)

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