

## Trimethoprim Resistance

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### Recent Publications on Trimethoprim Resistance:



- [\[In vitro susceptibility patterns of bacterial species isolated in outpatients of the Metropolitan Region, Chile, year 2007\]](#)  
*A partial surveillance of bacterial in vitro susceptibility to...* 17th November, 2009  
Laboratorio de Microbiologia, INTEGRAMEDICA, Santiago, Chile.- *Rev Chilena Infectol.* 2009 Feb;26(1):18-20. Epub 2009 Mar 23. ([DOI Direct Link](#))
- [Characterization of two novel gene cassettes, dfrA27 and aadA16, in a non-O1, non-O139 Vibrio cholerae isolate from China.](#)  
*Clin Microbiol Infect Abstract Two novel integron-borne cassettes, dfrA27...* 13th November, 2009  
Department of Clinical Microbiology, Ruijin Hospital, Shanghai Jiaotong- *Clin Microbiol Infect.* 2009 Nov 10. ([DOI Direct Link](#))
- [Little evidence for reversibility of trimethoprim resistance after a drastic reduction in trimethoprim use.](#)  
*Objectives The worldwide rapid increase in antibiotic-resistant bacteria...* 11th November, 2009  
Department of Medical Sciences, Section of Infectious Diseases, Uppsala- *J Antimicrob Chemother.* 2009 Nov 8. ([DOI Direct Link](#))
- [Trimethoprim resistance genes in vancomycin-resistant Enterococcus faecium clinical isolates from France.](#)  
*Many of the antibiotic resistance elements used in molecular biology have...* 17th October, 2009  
- *Int J Antimicrob Agents.* 2009 Oct;34(4):390-2. Epub 2009 Jul 19. ([DOI Direct Link](#))
- [Diversity of antimicrobial resistance pheno- and genotypes of methicillin-resistant Staphylococcus aureus ST398 from diseased swine.](#)  
*OBJECTIVES: Fifty-four methicillin-resistant Staphylococcus aureus (MRSA)...* 8th October, 2009  
Institute of Farm Animal Genetics, Friedrich-Loeffler-Institute (FLI),- *J Antimicrob Chemother.* 2009 Dec;64(6):1156-64. Epub 2009 Sep 25. ([DOI Direct Link](#))
- [Improved trimethoprim-resistance cassette for prokaryotic selections.](#)  
*Many of the antibiotic resistance elements used in molecular biology have...* 7th October, 2009  
Center for Computational and Integrative Biology (CCIB), Massachusetts- *J Biosci Bioeng.* 2009 Nov;108(5):441-5. ([DOI Direct Link](#))
- [Genome sequence of Vibrio splendidus: an abundant planctonic marine species with a large genotypic diversity.](#)  
*Vibrio splendidus is a dominant Vibrio species in seawater presenting a...* 1st October, 2009  
Institut Pasteur, Unite Plasticite du Genome Bacterien, CNRS URA 2171,- *Environ Microbiol.* 2009 Aug;11(8):1959-70. Epub 2009 Apr 1. ([DOI Direct Link](#))

- [Dissemination of bla\(IMP-1\)-carrying integron In86 among Klebsiella pneumoniae isolates harboring a new trimethoprim resistance gene dfr23.](#)  
*The genetic context of the bla(IMP-1) gene was evaluated in 9 Klebsiella...* 7th August, 2009  
Laboratorio ALERTA, Division of Infectious Diseases, Universidade Federal- Diagn Microbiol Infect Dis. 2009 Jan;63(1):87-91. Epub 2008 Nov 6. ([DOI Direct Link](#))
- [Analysis of mutational resistance to trimethoprim in Staphylococcus aureus by genetic and structural modelling techniques.](#)  
*OBJECTIVES: This study sought to expand knowledge on the molecular...* 1st July, 2009  
Antimicrobial Research Centre and Institute of Molecular and Cellular- J Antimicrob Chemother. 2009 Jun;63(6):1112-7. Epub 2009 Apr 21. ([DOI Direct Link](#))
- [Fecal coliform testing to identify effective antibiotic therapies for patients with antibiotic-resistant pouchitis.](#)  
*BACKGROUND & AIMS:: Empirical antibiotic therapy (e.g. a combination of...* 30th June, 2009  
Department of Biosurgery and Surgical Technology, Imperial College- Clin Gastroenterol Hepatol. 2009 Jan 14. ([DOI Direct Link](#))
- [Fecal coliform testing to identify effective antibiotic therapies for patients with antibiotic-resistant pouchitis.](#)  
*BACKGROUND & AIMS: Empiric antibiotic therapy (eg, a combination of...* 10th June, 2009  
Department of Biosurgery and Surgical Technology, Imperial College,- Clin Gastroenterol Hepatol. 2009 May;7(5):545-8.
- [Crystal structures of wild-type and mutant methicillin-resistant Staphylococcus aureus dihydrofolate reductase reveal an alternate conformation of NADPH that may be linked to trimethoprim resistance.](#)  
*Both hospital- and community-acquired Staphylococcus aureus infections...* 25th April, 2009  
Department of Pharmaceutical Sciences, University of Connecticut, 69 N.- J Mol Biol. 2009 Apr 17;387(5):1298-308. Epub 2009 Feb 26. ([DOI Direct Link](#))
- [Increased hydrophobic interactions of iclaprim with Staphylococcus aureus dihydrofolate reductase are responsible for the increase in affinity and antibacterial activity.](#)  
*OBJECTIVES: Iclaprim is a novel 2,4-diaminopyrimidine that exhibits...* 25th April, 2009  
Arpida AG, Duggingerstrasse 23, CH-4153 Reinach, Switzerland.- J Antimicrob Chemother. 2009 Apr;63(4):687-98. Epub 2009 Feb 11. ([DOI Direct Link](#))
- [Identification of a novel trimethoprim resistance gene, dfrK, in a methicillin-resistant Staphylococcus aureus ST398 strain and its physical linkage to the tetracycline resistance gene tet\(L\).](#)  
*A novel trimethoprim resistance gene, designated dfrK, was detected in...* 21st April, 2009  
Institute of Farm Animal Genetics, Friedrich-Loeffler-Institute,- Antimicrob Agents Chemother. 2009 Feb;53(2):776-8. Epub 2008 Nov 17. ([DOI Direct Link](#))
- [dfrA27, a new integron-associated trimethoprim resistance gene from Escherichia coli.](#)  
*A novel trimethoprim resistance gene, designated dfrK, was detected in...* 17th February, 2009  
- J Antimicrob Chemother. 2009 Feb;63(2):405-6. Epub 2008 Nov 13. ([DOI Direct Link](#))

## BioNews Results for Trimethoprim Resistance

- [Drug Resistance: Findings in drug resistance reported from M.S. Dryden and co-researchers](#)  
*NewsRX: Oct 29 2009 4:30AM Matching: trimethoprim resistance*



## Trimethoprim Resistance Patents:

- 4701413- [Method of producing inosine and/or guanosine](#)
- 5434065- [In vivo selection of microbial virulence genes](#)
- 5487980- [Method of determining propensity of dissolved oxygen instability](#)
- 5521077- [Method of generating multiple protein variants and populations of protein variants prepared thereby](#)
- 5556778- [Crystalline Inha Enzyme-NADH Complex](#)
- 5633165- [Fermentor with vertical shaft](#)
- 5643790- [Plasmid vector and a method for regulation of gene expression using the same](#)
- 5677170- [In vitro transposition of artificial transposons](#)
- 5702935- [Method and compounds for inhibiting lipid biosynthesis of bacteria and plants](#)
- 5728551- [In vitro transposition of artificial transposons for DNA sequencing](#)
- 5837480- [Method and compounds for inhibiting lipid biosynthesis of bacteria and plants](#)
- 5426050- [Plasmid vectors for expression of genes in coryneform bacteria](#)
- 5422275- [Protein production at synthetic start site](#)
- 5410026- [Method for refolding insoluble, misfolded insulin-like growth factor-1 into an active conformation](#)
- 4784956- [Vector](#)
- 4968619- [Modified microorganisms and method of preparing and using same](#)
- 4980285- [Method for producing L-amino acids](#)
- 5006471- [Fungal resistance markers](#)
- 5162206- [Plasmids for foreign gene expression in B. subtilis](#)
- 5164490- [Pneumocystis carinii dihydrofolate reductase gene and methods for its use](#)
- 5288931- [Method for refolding insoluble, misfolded insulin-like growth factor-I into an active conformation](#)
- 5304472- [Method of controlling polypeptide production in bacterial cells](#)
- 5342763- [Method for producing polypeptide via bacterial fermentation](#)
- 5374554- [Microorganism and process for preparing D-biotin using the same](#)
- 5843772- [Artificial transposons](#)
- 5882878- [INHA crystals and three dimensional structure](#)
- 6905819- [Plasmid autonomously replicable in coryneform bacteria](#)
- 6962805- [Method of constructing amino acid producing bacterial strains, and method of preparing amino acids by fermentation with the constructed amino acid producing bacterial strains](#)
- 7060458- [Nucleic acid and amino acid sequences relating to Staphylococcus epidermidis for diagnostics and therapeutics](#)
- 7118756- [Recombinant protective protein from Streptococcus pneumoniae](#)
- 7125662- [Method of identifying putative antibiotic resistance genes](#)
- 7138267- [Methods and compositions for amplifying DNA clone copy number](#)
- 7202023- [High throughput screen for inhibitors of the folate biosynthetic pathway in bacteria](#)
- 7238669- [Phage-display peptides as novel antimicrobial agents against Haemophilus influenzae](#)
- 7244569- [Plasmid autonomously replicable in coryneform bacteria](#)
- 7261899- [Method of producing thy A-strains of Vibrio cholerae, such strains and their use](#)
- 6897017- [Vivo library-versus-library selection of optimized protein-protein interactions](#)
- 6841375- [Flavobacterium heparinum expression system](#)
- 6824983- [Method for the mutagenesis of nucleotide sequences in plants algae or fungi](#)

- 5882888- [DNA integration by transposition](#)
- 5945285- [Vibrio cholerae having increased sensitivity to antibiotics](#)
- 5968785- [In vitro transposition of article transposons](#)
- 6037123- [Methods of screening for compounds active on Staphylococcus aureus target genes](#)
- 6183973- [Vibrio vulnificus molecular probes, antibodies, and proteins](#)
- 6187541- [Methods of screening for compounds active on staphylococcus aureus target genes](#)
- 6228588- [Methods of screening for compounds active on Staphylococcus aureus target genes](#)
- 6420524- [Gain of function mutations in ATP-dependent transposition proteins](#)
- 6566062- [Method for identifying a nucleic acid](#)
- 6723323- [Vibrio Cholerae vaccine candidates and method of their constructing](#)
- 7608437- [Method of constructing amino acid producing bacterial strains, and method of preparing amino acids by fermentation with the constructed amino acid producing bacterial strains](#)

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