

# Diphtheria

[View the current Diphtheria InDepth page on BioPortfolio.com](#) (PDF)

(<http://www.bioportfolio.com/indepth/Diphtheria.html>) - Regularly Updated.

Diphtheria – a “pair of leather scrolls” (•), is an upper respiratory tract illness characterized by sore throat, low fever, and an adherent membrane on the tonsils, pharynx, and/or nasal cavity. A milder form of diphtheria can be restricted to the skin. It is caused by *Corynebacterium diphtheriae*, a facultatively anaerobic Gram-positive bacterium. Diphtheria is a highly contagious disease spread by direct physical contact or breathing the aerosolized secretions of infected individuals. Once quite common, diphtheria has largely been eradicated in developed nations through wide-spread vaccination. In the United States for instance, between 1980 and 2004 there have been 57 reported cases of diphtheria as the DPT vaccine is given to all school children. Boosters of the vaccine are recommended for adults since the benefits of the vaccine decrease with age; they are particularly recommended for those traveling to areas where the disease has not been eradicated. ([From the Wikipedia article Diphtheria](#).)

## Recent Publications on Diphtheria:



- [Cutting Edge: Depletion of Foxp3+ Cells Leads to Induction of Autoimmunity by Specific Ablation of Regulatory T Cells in Genetically Targeted Mice1.](#)  
*We have recently described two independent mouse models in which the...*20th November, 2009  
\*Department of Immunology, University of Washington, Seattle, WA 98195;- J Immunol. 2009 Nov 18. ([DOI Direct Link](#))
- [Induced bronchus-associated lymphoid tissue serves as a general priming site for T cells and is maintained by dendritic cells.](#)  
*Mucosal vaccination via the respiratory tract can elicit protective...*18th November, 2009  
Institute of Immunology, Hannover Medical School, 30625 Hannover, Germany.- J Exp Med. 2009 Nov 16. ([DOI Direct Link](#))
- [Expression of IL-13Ralpha2 in liver cancer cells and its effect on targeted therapy of liver cancer.](#)  
*PURPOSE: Liver cancer is the third leading cause of cancer-related deaths...*17th November, 2009  
College of Life Sciences and Bioengineering, Beijing Jiaotong University,- J Cancer Res Clin Oncol. 2009 Nov 15. ([DOI Direct Link](#))
- [\[Production and characteristics of monoclonal antibodies to the diphtheria toxin.\]](#)  
*Monoclonal antibodies to the diphtheria toxin were produced without cross...*17th November, 2009  
Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, Russian Academy- Bioorg Khim. 2009 Sep-Oct;35(5):618-28.
- [Pertussis immunity and response to tetanus-reduced diphtheria-reduced pertussis vaccine \(Tdap\) after autologous peripheral blood stem cell transplantation.](#)  
*Pertussis is a highly contagious respiratory infection characterized by...*10th November, 2009  
Department of Pediatrics, Memorial Sloan-Kettering Cancer Center, New- Biol Blood Marrow Transplant. 2009 Dec;15(12):1538-42. Epub 2009 Sep 25. ([DOI Direct Link](#))

- [Pattern of functional antibody activity against Haemophilus influenzae type b \(Hib\) in infants immunized with diphtheria-tetanus-pertussis/Hib Brazilian combination vaccine.](#)  
*We evaluated the functional activity of Haemophilus influenzae B (Hib)...*7th November, 2009  
Laboratorio de Tecnologia Imunologica, Fiocruz.- Braz J Med Biol Res. 2009 Nov 6. pii: S0100-879X2009005000039.
- [Resident Intimal Dendritic Cells Accumulate Lipid and Contribute to the Initiation of Atherosclerosis.](#)  
*Rationale: Atherosclerosis is an inflammatory disease in which leukocytes...*7th November, 2009  
Toronto General Research Institute, University Health Network; and- Circ Res. 2009 Nov 5. ([DOI Direct Link](#))
- [Limited Role of CD4+Foxp3+ Regulatory T Cells in the Control of Experimental Cerebral Malaria.](#)  
*Cerebral malaria (CM) associated with Plasmodium berghei ANKA (PbA)...*6th November, 2009  
Bernhard Nocht Institute for Tropical Medicine, Hamburg, Germany.- J Immunol. 2009 Dec 1;183(11):7014-7022. Epub 2009 Nov 4. ([DOI Direct Link](#))
- [Physical-chemical Characterization and Immunologic Properties of Salmonella ser. Typhi Capsular Polysaccharide-Diphtheria Toxoid Conjugates.](#)  
*Typhoid fever remains a serious public health problem in the developing...*6th November, 2009  
International Vaccine Institute, SNU Research Park, San 4-8 Bongcheon-7- Clin Vaccine Immunol. 2009 Nov 4. ([DOI Direct Link](#))
- [Uptake of meningococcal conjugate vaccine among adolescents in large managed care organizations, United States, 2005: Demand, supply and seasonality.](#)  
*ABSTRACT: BACKGROUND: In February 2005, the US Advisory Committee on...*6th November, 2009  
- BMC Infect Dis. 2009 Nov 3;9(1):175. ([DOI Direct Link](#))
- [Pneumococcal conjugated vaccine: PHiD-CV.](#)  
*At the beginning of a new century, we have gained significant achievements...*4th November, 2009  
Associate Professor in Pediatrics, Eskisehir Osmangazi University,- Expert Rev Anti Infect Ther. 2009 Nov;7(9):1063-74. ([DOI Direct Link](#))
- [Low-level laser therapy with pulsed infrared laser accelerates third-degree burn healing process in rats.](#)  
*This study investigated the influence of pulsed low-level laser therapy...*3rd November, 2009  
Shahid Beheshti University, MC, Tehran, Iran.- J Rehabil Res Dev. 2009;46(4):543-54.
- [Vaccines as a trigger for myopathies.](#)  
*Vaccines are considered to be among the greatest medical discoveries,...*3rd November, 2009  
Department of Medicine B, Wolfson Medical Center, Holon, Israel.- Lupus. 2009 Nov;18(13):1213-6. ([DOI Direct Link](#))
- [Transverse myelitis and vaccines: a multi-analysis.](#)  
*Transverse myelitis is a rare clinical syndrome in which an...*3rd November, 2009  
Center for Autoimmune Diseases, Sheba Medical Center, Tel-Hashomer,- Lupus. 2009 Nov;18(13):1198-204. ([DOI Direct Link](#))
- [\[Toxin-neutralizing properties of antibodies to diphtheria toxin recombinant subunits A and B and a new method of their estimation\]](#)  
*Development of complications during diphtheria depends to a large extent...*3rd November, 2009  
- Ukr Biokhim Zh. 2009 May-Jun;81(3):92-101.

## BioNews Results for Diphtheria

- [FDA Advisory Committee Finds Data Support the Safety and Effectiveness of Prevnar 13 Vaccine for the](#)  
*PharmaceuticalProcessing: Nov 20 2009 8:26PM Matching: diphtheria*
- [FDA Advisory Committee Finds Data Support The Safety And Effectiveness Of Prevnar 13 Vaccine For The Preventio](#)  
*Medical News Today: Nov 20 2009 4:20AM Matching: diphtheria*

- [News and FDA Updates for Tongjitang \(NYSE:TCM\), YM BioSciences \(NYSE:YMI\), Pfizer \(NYSE:PFE\)](#)  
*California Chronicle: Nov 20 2009 4:44AM Matching: diphtheria*
- [News and FDA Updates for Tongjitang \(NYSE:TCM\), YM BioSciences \(NYSE:YMI\), Pfizer \(NYSE:PFE\)](#)  
*American Chronicle: Nov 20 2009 1:10AM Matching: diphtheria*
- [FDA Advisory Committee Finds Data Support the Safety and Effectiveness of Pfizer Inc. \(PFE\)'s \(JOBS\) Prevnar 1](#)  
*BioSpace: Nov 19 2009 9:51PM Matching: diphtheria*
- [FDA Advisory Committee Finds Data Support the Safety and Effectiveness of Pfizer Inc. \(PFE\)'s Prevnar 13 Vacc](#)  
*BioSpace: Nov 19 2009 6:41PM Matching: diphtheria*
- [FDA Advisory Committee Finds Data Support the Safety and Effectiveness of Prevnar 13 Vaccine for the Preventio](#)  
*Pharma Live: Nov 19 2009 6:32PM Matching: diphtheria*
- [FDA Advisory Committee Finds Data Support the Safety and Effectiveness of Prevnar 13 Vaccine for the Preventio](#)  
*NewsBlaze: Nov 19 2009 12:14PM Matching: diphtheria*
- [FDA Advisory Committee Finds Data Support the Safety and Effectiveness of Prevnar 13 Vaccine for the Pr](#)  
*Genetic Engineering News: Nov 19 2009 10:57AM Matching: diphtheria*
- [FDA Advisory Committee votes in support of Pfizer's Prevnar 13](#)  
*News-Medical.Net: Nov 19 2009 9:01AM Matching: diphtheria*
- [FDA Advisory Committee Finds Data Support the Safety and](#)  
*Business Wire via MSN Money: Nov 19 2009 8:21AM Matching: diphtheria*
- [Pfizer Inc UK Regulatory Announcement: FDA Advisory Committee Finds Data Support the Safety and Effectiveness of Prevnar 13 Vaccine for the Prevention of Invasive Pneumococcal Disease in Infants and Young Children](#)  
*Business Wire UK: Nov 19 2009 7:07AM Matching: diphtheria*
- [FDA Advisory Committee Finds Data Support the Safety and Effectiveness of Prevnar 13 Vaccine for the Preventio](#)  
*Reuters: Nov 19 2009 1:25AM Matching: diphtheria*
- [FDA Advisory Committee Finds Data Support the Safety and Effectiveness of Prevnar 13&#8222; Vaccine for the](#)  
*Genetic Engineering News: Nov 19 2009 1:25AM Matching: diphtheria*
- [FDA Advisory Committee Finds Data Support the Safety and Effectiveness of Prevnar 13 Vaccine for the Prevention of Invasive Pneumococcal Disease in Infants and Young Children](#)  
*SmartBrief: Nov 19 2009 1:21AM Matching: diphtheria*

## Diphtheria Patents:



- 7605235- [Anti-tissue factor antibodies and compositions](#)
- 7608694- [Antibody molecules having specificity for human IL-1.beta.](#)
- 7608750- [Nonhuman model animal unresponsive to immunopotentiating synthetic compound](#)
- 7611699- [Methods of using cytokine zalpha11 ligand](#)
- 7611704- [Compositions and methods for treating viral infections using antibodies and](#)

[immunoconjugates to aminophospholipids](#)

- 7611706- [RG1 antibodies and uses thereof](#)
- 7611708- [Methods of therapy for B-cell malignancies using antagonist anti-CD40 antibodies](#)
- 7611721- [Adjuvant combination formulations](#)
- 7611839- [Methods for diagnosing RCC and other solid tumors](#)
- 7611846- [Diagnostic methods involving human growth factor huXAG-1](#)
- 7611867- [CC-chemokine binding tick proteins](#)
- 7608688- [HIV-1 protein associated with broadly reactive neutralizing antibody response](#)
- 7608686- [Human tumor necrosis factor receptor](#)
- 7608452- [Polynucleotides encoding cytokine receptor zcytor19](#)
- 7605236- [Antibodies that immunospecifically bind to B lymphocyte stimulator protein](#)
- 7605238- [Human CTLA-4 antibodies and their uses](#)
- 7608260- [Stabilized immunoglobulins](#)
- 7608263- [RG1 antibodies and uses thereof](#)
- 7608267- [Multifunctional cytokines](#)
- 7608275- [Systems and methods for delivery of a therapeutic agent](#)
- 7608276- [Staphylococcus aureus proteins and nucleic acids](#)
- 7608279- [Vaccine formulations](#)
- 7608429- [Methods and compositions for increasing antibody production](#)
- 7608451- [Gene regulation in transgenic animals using a transposon-based vector](#)
- 7611868- [Recombinant modified adenovirus fiber protein](#)
- 7611879- [27877, 18080, 14081, 32140, 50352, 16658, 14223, 16002, 50566, 65552 and 65577 molecules and uses therefor](#)
- 7615554- [Erastin and erastin binding proteins, and uses thereof](#)
- 7615611- [Human cytokine receptor](#)
- 7615624- [Arabidopsis derived promoters for regulation of plant expression](#)
- 7618631- [Treatment with anti-ErbB2 antibodies and EGFR-targeted drugs](#)
- 7618636- [Antigenic meningococcal peptides](#)
- 7618641- [Functionally reconstituted viral membranes containing adjuvant](#)
- 7618642- [Expression cassettes encoding modified human immunodeficiency virus type 1 subtype C envelope glycoproteins](#)
- 7618791- [Methods of detecting cancer with antibodies to cytokine receptor ZCYTOR19](#)
- 7619062- [PRO214 polypeptides](#)
- 7619065- [Cystine-knot fold protein](#)
- 7615529- [Methods and compositions for modulating hyperstabilized c-met](#)
- 7615379- [Nucleic acid and corresponding protein entitled 193P1E1B useful in treatment and detection of cancer](#)
- 7615229- [Mutants of the P4 protein of nontypable Haemophilus influenzae with reduced enzymatic activity](#)
- 7611910- [Method for diagnosis of alzheimer's disease](#)
- 7612044- [Melanoma antigens and their use in diagnostic and therapeutic methods](#)
- 7612172- [Nucleic acids and corresponding proteins entitled 282P1G3 useful in treatment and detection of cancer](#)
- 7612178- [Anti-IGF-1R antibodies and uses thereof](#)
- 7612180- [Humanized L243 antibodies](#)
- 7612182- [Anti-IL-6 antibodies, compositions, methods and uses](#)
- 7612192- [Neisseria genomic sequences and methods of their use](#)
- 7612251- [Nucleotide sequences mediating male fertility and method of using same](#)
- 7615221- [Compositions and methods for treating cancer](#)
- 7615223- [Selected immunoconjugates for binding to aminophospholipids](#)
- 7619068- [Ovr110 antibody compositions and methods of use](#)

\*\*\*

Resources from the [NCBI](#) used in this document, [NCBI's standard disclaimer applies](#).

Nothing in this document should be used in place of personal medical advice from your own qualified medical practitioner. See BioPortfolio.com [User Agreement](#)

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)

All rights reserved. All other trademarks recognized.

BioPortfolio Limited is registered in England & Wales at Stafford House, 10 Prince of Wales Road, Dorchester, Dorset, DT1 1PW, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2009 - BioPortfolio Limited.

