

Parasitemia

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Parasitemia is the quantitative content of parasites in the blood. It is used as a measurement of parasite load in the organism and an indication of the degree of an active parasitic infection. Systematic measurement of parasitemia is important in many phases of the assessment of disease, such as in diagnosis and in the follow-up of therapy, particularly in the chronic phase, when cure depends on ascertaining a parasitemia of zero. The methods to be used for quantifying parasitemia depends on the parasitic species and its life cycle. For instance, in malaria, the number of plasmodia can be counted using an optical microscope, on a special thick film or thin film blood smear. The use of molecular biology techniques, such as PCR has been more and more used as a tool to measure parasitemia, specially in patients in the chronic phase of disease. In this technique, blood samples are obtained from the patient, and specific DNA of the parasite is extracted and amplified by PCR. Category: Parasitology Parasitic ([From the Wikipedia article Parasitemia.](#))

Recent Publications on Parasitemia:



- [Impact of RTS,S/AS02\(A\) and RTS,S/AS01\(B\) on Genotypes of P. falciparum in Adults Participating in a Malaria Vaccine Clinical Trial.](#)
OBJECTIVE: RTS,S, a candidate vaccine for malaria, is a recombinant... 20th November, 2009
Walter Reed Project, Kenya Medical Research Institute, Kisumu, Kenya.- PLoS One. 2009 Nov 17;4(11):e7849. ([DOI Direct Link](#))
- [{alpha}-Tocopherol transfer protein inhibition is effective in the prevention of cerebral malaria in mice.](#)
BACKGROUND: Nutritional status likely plays an important role in... 20th November, 2009
Research Unit for Functional Genomics, National Research Center for- Am J Clin Nutr. 2009 Nov 18. ([DOI Direct Link](#))
- [Successful sporozoite challenge model in human volunteers with Plasmodium vivax strain derived from human donors.](#)
Successful establishment of a Plasmodium vivax sporozoite challenge model... 18th November, 2009
Instituto de Inmunologia, Universidad del Valle, Cali, Colombia.- Am J Trop Med Hyg. 2009 Nov;81(5):740-6. ([DOI Direct Link](#))
- [Heroes or villains? T regulatory cells in malaria infection.](#)
Infection with Plasmodium parasites can cause severe disease due to a lack... 17th November, 2009
Department of Immunology, Monash University, Alfred Medical Research and- Trends Parasitol. 2009 Nov 12. ([DOI Direct Link](#))
- [Accelerated clearance of Plasmodium-infected erythrocytes in sickle cell trait and annexin-A7 deficiency.](#)
The course of malaria does not only depend on the virulence of the... 17th November, 2009
Department of Physiology, University of Tubingen, Germany.- Cell Physiol Biochem. 2009;24(5-6):415-28. Epub 2009 Nov 4. ([DOI Direct Link](#))

- [A fatal case of transfusion-transmitted babesiosis in the State of Delaware.](#)
*BACKGROUND: Most cases of human babesiosis in North America are caused by...*13th November, 2009
From the Department of Pathology and the Department of Medicine,- Transfusion. 2009 Nov 9. ([DOI Direct Link](#))
- [Malaria in patients with sickle cell anemia: burden, risk factors and outcome at outpatient clinic and during hospitalization.](#)
*Approximately 280,000 children are born with sickle cell anemia (SCA) in...*11th November, 2009
Department of Haematology and Blood Transfusion, Muhimbili University of- Blood. 2009 Nov 9. ([DOI Direct Link](#))
- [Artemisinin resistance in Plasmodium falciparum malaria.](#)
*Growth hormone (GH) is an important hypophyseal hormone that is primarily...*5th November, 2009
- N Engl J Med. 2009 Oct 29;361(18):1807-8; author reply 1808.
- [Artemisinin resistance in Plasmodium falciparum malaria.](#)
*Cerebral malaria (CM) is an acute, generally lethal condition...*5th November, 2009
- N Engl J Med. 2009 Oct 29;361(18):1807; author reply 1808. ([DOI Direct Link](#))
- [Epidemiologic Features Impacting the Presentation of Malaria in Children in Houston.](#)
*BACKGROUND:: Malaria is diagnosed in children in the United States despite...*4th November, 2009
From the *Section of Infectious Diseases, Department of Pediatrics, Baylor- *Pediatr Infect Dis J.* 2009 Oct 30. ([DOI Direct Link](#))
- [Growth hormones therapy in immune response against Trypanosoma cruzi.](#)
*Growth hormone (GH) is an important hypophyseal hormone that is primarily...*4th November, 2009
Departamento de Analises Clinicas, Toxicologicas e Bromatologicas,- *Res Vet Sci.* 2009 Oct 31. ([DOI Direct Link](#))
- [Mapping of Char10, a novel malaria susceptibility locus on mouse chromosome 9.](#)
*Resistance to blood-stage malaria in AcB55 and AcB61 is caused by a loss...*30th October, 2009
Department of Biochemistry, McGill University, Montreal, Quebec, Canada.- *Genes Immun.* 2009 Oct 29. ([DOI Direct Link](#))
- [Identification of a novel cerebral malaria susceptibility locus \(Berr5\) on mouse chromosome 19.](#)
*Cerebral malaria (CM) is an acute, generally lethal condition...*30th October, 2009
Department of Biochemistry, McGill University, Montreal, Quebec, Canada.- *Genes Immun.* 2009 Oct 29. ([DOI Direct Link](#))
- [Spatial variation of haemosporidian parasite infection in African rainforest bird species.](#)
*Spatial heterogeneity influences the distribution, prevalence and...*29th October, 2009
- *J Parasitol.* 2009 Oct 27;1. ([DOI Direct Link](#))
- [The quantity and quality of African children's IgG responses to merozoite surface antigens reflect protection against Plasmodium falciparum malaria.](#)
*BACKGROUND: Antibodies, particularly cytophilic IgG subclasses, with...*28th October, 2009
Medical Microbiology, Radboud University Nijmegen Medical Centre,- *PLoS One.* 2009 Oct 27;4(10):e7590. ([DOI Direct Link](#))

Parasitemia Patents:



- 7303883- [Diagnosis of parasites](#)

- 7407661- [Methods and reagents that generate a CD8 T cell immune response](#)
- 7417156- [Orally active, antimalarial, anticancer, artemisinin-derived trioxane dimers](#)
- 7423181- [Aminoalkoxy-functional chalcones](#)
- 7427483- [Utilization of nucleotide probes in ELISA procedure for the quantitative determination of Plasmodium falciparum DNA in malaria](#)
- 7439238- [Antiparasitic artemisinin derivatives \(endoperoxides\)](#)
- 7448269- [Scanning near field ultrasound holography](#)
- 7452915- [Antiparasitic artemisinin derivatives \(endoperoxides\)](#)
- 7455837- [Compositions and methods for the diagnosis and treatment of sepsis](#)
- 7479498- [Treatments for viral infections](#)
- 7482334- [Therapeutic treatment methods](#)
- 7396827- [Pharmaceutical compositions and treatment methods](#)
- 7393530- [IL-1-like cytokine antibodies](#)
- 7390892- [Nucleic acids encoding novel cyclic GMP dependent protein kinases from Elmeria maxima](#)
- 7306806- [Recombinant P. falciparum merozoite protein-142 vaccine](#)
- 7309784- [Prophylactic and therapeutic immunization against protozoan infection and disease](#)
- 7319012- [Protein arrays and methods and systems for producing the same](#)
- 7320787- [Redirection of cellular immunity by protein tyrosine kinase chimeras](#)
- 7338766- [Compositions and methods for treating malaria with cupredoxin and cytochrome](#)
- 7368295- [Nanoparticles comprising biologically active TNF which is immobilized on the same](#)
- 7371758- [Antimalarial pyrimidine derivatives and methods of making and using them](#)
- 7371778- [Spiro and dispiro 1,2,4-trioxolane antimalarials](#)
- 7387888- [Coronamycins](#)
- 7387894- [Recombinant viral-based malaria vaccines](#)
- 7488489- [Identification of a conserved region of Plasmodium falciparum MSP3 targeted by biologically active antibodies](#)
- 7488491- [Use of glycosylceramides as adjuvants for vaccines against infections and cancer](#)
- 7553844- [Methods for treatment of HIV or malaria using combinations of chloroquine and protease inhibitors](#)
- 7560482- [Inhibitors of plasmepsins](#)
- 7563440- [Plasmodium falciparum antigens inducing protective antibodies](#)
- 7563792- [Biguanide and dihydrotriazine derivatives](#)
- 7563883- [Recombinant P. falciparum merozoite protein-1.sub.42 vaccine](#)
- 7579353- [Pyridinone derivatives against malaria](#)
- 7589127- [Aminoalkylphenols, methods of using and making the same](#)
- 7595191- [Isolation and purification of P. falciparum merozoite protein-142 vaccine](#)
- 7601702- [Dutpase Inhibitors](#)
- 7611853- [Assay to screen for anti-malarials](#)
- 7550275- [Expression, purification and uses of a Plasmodium falciparum liver stage antigen 1 polypeptide](#)
- 7550138- [Plasmodium mutant and vaccines including the mutant](#)
- 7547687- [Therapeutic treatment methods](#)
- 7494652- [Treatment of sepsis](#)
- 7498037- [Plasmodium falciparum antigens and their vaccine and diagnostic applications](#)
- 7504381- [Antimicrobial agents](#)
- 7514087- [Methods and reagents for immunization which generate a CD8 T cell immune response](#)
- 7517523- [Anti-MIF antibodies](#)
- 7517893- [Bichalcophenes and their prodrugs as antiprotozoal agents](#)
- 7521229- [Recombinant viral-based malaria vaccines](#)
- 7524835- [Tetrol steroids and esters](#)
- 7524947- [Recombinant viral-based malaria vaccines](#)
- 7534571- [Diagnostic and prognostic compounds and method](#)
- 7611896- [Practical serological assay for the clinical diagnosis of Leishmaniasis](#)

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