

Immuno-electrophoresis

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Immuno-electrophoresis is the electrophoresis of a determined antigen mixture in an agarose gel that allows the separation of different proteins along the gel slide, and then the lateral diffusion in the gel of an immune serum or a monoclonal antibody. Antibodies specific to the antigens form precipitation arcs seen over a dark background, or by Coomassie blue staining. This method was very useful to determine the number of antigens recognised against a particular mosaic antigen but today the Western blot method is preferred because the apparent molecular weight of each antigen can be determined and it is more sensitive, but IEF are still useful when non reducing conditions are needed.



Recent Publications on Immuno-electrophoresis:

- [\[Bence-Jones proteinuria and kidney's damages\]](#)
*Bence-Jones proteinuria consists in monoclonal light chains into the...*30th August, 2008
Dipartimento di Clinica Medica e Nefrologia, Universita, Parma.- *Recenti Prog Med.* 2008 Jul-Aug;99(7-8):389-94.
- [\[Urine protein electrophoresis and immuno-electrophoresis using unconcentrated or minimally concentrated urine samples.\]](#)
*Our objective was to evaluate a gel system that uses unconcentrated urine...*30th August, 2008
Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester,- *Am J Clin Pathol.* 2008 Jul;130(1):141-5. ([DOI Direct Link](#))
- [\[Immuno-electrophoresis for the characterization of allergen extracts.\]](#)
*Immuno-electrophoresis can be used for analysis of individual proteins in...*5th August, 2008
ALK-Abello, Denmark.- *Methods Mol Med.* 2008;138:147-65. ([DOI Direct Link](#))
- [\[Isolation, characterization and quantitation of canine alpha-1-acid glycoprotein.\]](#)
*The present study was designed to investigate the physicochemical...*17th July, 2008
Yuki Animal Hospital, 2-99 Kiba-cho, Minato-ku, Nagoya, Aichi, 455-0021,- *Vet Res Commun.* 2008 Jul 16. ([DOI Direct Link](#))
- [\[Assays for complement proteins encoded in the class III region of human MHC.\]](#)
*Investigation of the complement proteins encoded in the class III region...*27th June, 2008
Semmelweis Medical University, Budapest, Hungary.- *Curr Protoc Immunol.* 2005 Jul;Chapter 13:Unit 13.7. ([DOI Direct Link](#))
- [\[Diagnostic values of beta-2 transferrin and beta-trace protein as markers for cerebrospinal fluid fistula.\]](#)
*INTRODUCTION: During recent decades, beta2-transferrin and beta-trace...*26th June, 2008
Rikshospitalet Medical Centre, Oslo, Norway.- *Rhinology.* 2008 Jun;46(2):82-5.
- [\[Transferrin microheterogeneity in patients treated by maintenance haemodialysis\]](#)
*Transferrin (Tf) plays a crucial role in iron transport in the human body...*25th June, 2008
Katedra i Klinika Nefrologii, Transplantologii i Chorob Wewnetrznych,- *Przegl Lek.* 2007;64(7-8):483-8.

- [Chronic inflammation and accelerated atherosclerosis as important cofactors in nephrogenic systemic fibrosis following intravenous gadolinium exposure.](#)
Nephrogenic systemic fibrosis (NSF) is a rare disorder in patients with... 14th June, 2008
Clinic of Internal Medicine, Section of Nephrology, HELIOS-Klinikum- Clin Exp Nephrol. 2008 Jun 14. ([DOI Direct Link](#))
- [\[Amyloidosis induced colonic stricture. The first symptom of myeloma multiplex. A case report\]](#)
Systemic amyloidosis often involves the gastrointestinal tract and usually... 13th June, 2008
Szegedi Tudományegyetem, Általános Orvostudományi Kar, I. Belgyógyászati- Orv Hetil. 2008 Jun 22;149(25):1181-5. ([DOI Direct Link](#))
- [Comparison of apolipoprotein D determination methods in breast cancer.](#)
BACKGROUND: Apolipoprotein D (ApoD) is a promising prognostic and... 6th June, 2008
Department of Surgery, Stavanger University Hospital, Stavanger, Norway.- Anticancer Res. 2008 Mar-Apr;28(2B):1151-60.
- [Arrhythmogenic right ventricular cardiomyopathy in Boxer dogs is associated with calstabin2 deficiency.](#)
OBJECTIVE: To examine the presence and effect of calstabin2-deficiency in... 3rd June, 2008
University of Pennsylvania, Philadelphia, PA, USA, USA.- J Vet Cardiol. 2008 Jun;10(1):1-10. Epub 2008 Jun 2. ([DOI Direct Link](#))
- [\[kappa-light chain amyloidosis of the liver, a rare cause of liver enzyme elevation\]](#)
HISTORY AND ADMISSION FINDINGS: A 69-year-old man was admitted to the... 17th May, 2008
St. Josefsklinik Offenburg, Medizinische Klinik, Offenburg.- Dtsch Med Wochenschr. 2008 May;133(21):1116-20. ([DOI Direct Link](#))
- [\[Primary systemic amyloidosis\]](#)
BACKGROUND: Systemic amyloidosis is a rare disorder which usually occurs... 30th April, 2008
Klinicki centar Srbije, Institut za dermatovenerologiju, Beograd.- Vojnosanit Pregl. 2007 Dec;64(12):859-62.
- [\[Electrophoretic and immunochemical research of rat urine proteins in dynamics after intravenous injection of thorium dioxide \(thorotrast\)\]](#)
Rats were treated with a single intravenous injection of thorotrast... 29th April, 2008
- Radiats Biol Radioecol. 2007 Nov-Dec;47(6):707-16.
- [IgM paraprotein interference with hemoglobin measurement using the CELL-DYN 3500.](#)
A 10-year-old male Labrador Retriever was presented for a 6-week history... 28th March, 2008
Department of Veterinary Biosciences, The Ohio State University, 125- Vet Clin Pathol. 2008 Mar;37(1):61-5. ([DOI Direct Link](#))

Immuno-electrophoresis Clinical Trials:



- [A Phase II Study of Perifosine in Patients With Relapsed/Refractory Waldenström's Macroglobulinemia](#)
Waldenström's Macroglobulinemia



Immuno-electrophoresis Patents:

- 7368527- [HADDE71 polypeptides](#)
- 7378277- [Methods and compositions for transforming dendritic cells and activating T cells](#)
- 7381409- [Antibodies specific for sclerostin and methods of screening and use therefor](#)
- 7381800- [Antibodies to HBIMF63 polypeptide](#)
- 7384639- [Methods of treating or preventing an infectious disease using an immunogenic conjugate of a gram-negative bacterial autoinducer molecule](#)
- 7384748- [Compositions and methods for detecting and treating motor neuron disorders](#)
- 7385039- [Methods and compositions for regulating imidazoline receptors](#)
- 7385103- [Animal model, cells, and treatment for malignant melanoma](#)
- 7387780- [Soluble interleukin-20 receptor](#)
- 7387881- [Detection and treatment of cancers of the liver](#)
- 7387885- [Growth factor homolog zveg3 polynucleotides](#)
- 7378273- [Expression vectors](#)
- 7378244- [Telomerase promoters sequences for screening telomerase modulators](#)
- 7378231- [Diagnosis of lysosomal storage disorders using saposins and other markers](#)
- 7368531- [Human secreted proteins](#)
- 7368543- [Diagnosis and treatment of hepatic disorders](#)
- 7371384- [Compositions and methods of using angiotensin-like 4 protein antibody](#)
- 7371388- [Treatment of Sjogren's syndrome by administration of TR18 polypeptides](#)
- 7371834- [Apoptosis-inducing factor](#)
- 7374761- [Recombinant A2-specific TNF.alpha.-specific antibodies](#)
- 7374878- [Receptor fingerprinting, sensory perception, and biosensors of chemical sensants](#)
- 7375086- [Modulators of Nod2 signaling](#)
- 7375182- [Growth factor homolog zveg4](#)
- 7375183- [Mesothelin, immunogenic peptides derived therefrom, and compositions comprising mesothelin, or immunogenic peptides thereof](#)
- 7388088- [High affinity human antibodies to tumor antigens](#)
- 7390637- [Keratinocyte derived interferon](#)
- 7410773- [Method of preparing an undifferentiated cell](#)
- 7410795- [Codon-optimized polynucleotide-based vaccines against human cytomegalovirus infection](#)
- 7411048- [Diagnostic method for diseases by screening for hepcidin in human or animal tissues, blood or body fluids](#)
- 7411051- [Antibodies to HDPPA04 polypeptide](#)
- 7411056- [Polynucleotides encoding cytokine receptor zalpha11](#)
- 7413864- [Treating cancer using a telomerase vaccine](#)
- 7413899- [Genes from the 20q13 amplicon and their uses](#)
- 7414119- [Aldolases, nucleic acids encoding them and methods for making and using them](#)
- 7416724- [Diagnosis and treatment of diseases arising from defects in the tuberous sclerosis pathway](#)
- 7416729- [Methods of treating rheumatoid arthritis with anti-TNF antibodies](#)
- 7407765- [Human T2R receptors for acetaminophen ranitidine, strychnine and denatomium and related assays for identifying human bitter taste modulators](#)
- 7407763- [Systems and methods for detecting and regulating metastasis](#)
- 7404955- [Methods of inhibiting or neutralizing TNF.alpha. in patients with tissue injury](#)
- 7393534- [Compositions and methods for immunotherapy of cancer and infectious diseases](#)

- 7393654- [Human T2R54 taste receptor and use for identifying bitter taste modulators](#)
- 7393658- [Prion protein binding materials and methods of use](#)
- 7393862- [Method using 3-\(4-amino-1-oxo-1,3-dihydro-isoindol-2-yl\)-piperidine-2,6-dione for treatment of certain leukemias](#)
- 7393927- [Protein belonging to the TNF superfamily involved in signal transduction, nucleic acids encoding same, and methods of use thereof](#)
- 7393934- [Human G-protein chemokine receptor \(CCR5\) HDGNR10](#)
- 7396651- [Binding assay employing human T2R taste receptors](#)
- 7399601- [Human T2R61 taste receptor and related assays for identifying human bitter taste modulators](#)
- 7399606- [Methods for identifying I.kappa.B Kinase \(IKK\) inhibitors](#)
- 7399849- [Murine monoclonal anti-idiotypic antibody 11D10 and methods of use thereof](#)
- 7417120- [Purified Stat proteins and methods of purifying thereof](#)

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