

Recent patent applications in drug screening

| Patent number | Description | Assignee | Inventor | Priority application date | Publication date |
|---------------|---|---|--|---------------------------|------------------|
| WO 2009089189 | A microfluidic cell culture system including a medium inlet reservoir, cell culture areas, perfusion barrier, cell inlet/media outlet reservoir, large fluidic opening, fluidic multiplexor and fluidic reservoirs; useful in the drug screening industry. | Cellasic (San Leandro, CA, USA) | Hung PJ, Lee PJ | 1/3/2008 | 7/16/2009 |
| US 7560530 | An isolated and purified complex of human ST2 and human interleukin-1 receptor accessory protein (IL-1RAcP); useful in drug screening and diagnosis of immune disorder, e.g. allergy. | Schering (Kenilworth, NJ, USA) | Chackerian AA, Kastelein RA | 7/20/2006 | 7/14/2009 |
| CN 101463343 | A new cell model having a human interleukin (IL)-1 β gene promoter; useful for screening an anti-inflammatory drug. | Tongji University (Shanghai, China) | Fei J, Jing H, Li L, Wang Z | 12/30/2008 | 6/24/2009 |
| JP 2009124968 | A cell electrophysiology measuring device used in drug screening, comprising a dispensing unit, which fills the cavity of a sensor tip with a measurement liquid. | Matsushita Denki Sangyo (Osaka, Japan) | Hiraoka S, Nakatani M, Oshima A, Ushio K | 11/21/2007 | 6/11/2009 |
| WO 2009057528 | A kit for producing a molecular probe for positron emission tomography drug screening, containing a furan-containing compound, a formamide compound, an isoquinoline compound and their salt. | Hamamatsu Photonics (Shizuoka, Japan), RIKEN (Saitama, Japan) | Doi H, Suzuki M, Tsukuda H | 10/31/2007 | 5/7/2009 |
| US 7524668 | An isolated crystal of BACE co-crystallized with a ligand, where the amino acid sequence of the beta secretase consists of a defined sequence of 406 amino acids; useful for drug screening assays, preferably for screening drugs for the treatment of Alzheimer's disease. | Elan Pharmaceuticals (S. San Francisco, CA, USA) | Benson TE, Prince DB, Woods DD | 5/10/2001 | 4/28/2009 |
| WO 2009051599 | A method for diagnosing Alzheimer's disease comprising exposing the test cell sample to a labeled amyloid beta (A β) and determining an intracellular level of the labeled A β in the test cell sample. | MP Biomedicals (Santa Ana, CA, USA) | Fiala M | 10/19/2007 | 4/23/2009 |
| WO 2009024869 | A biological device comprising a substrate including a hydrophobic surface adapted for oriented association or attachment and/or oriented spreading of molecules having hydrophobic part(s); for use in biomembrane research and drug screening. | Czolkos I, Erkan Y, Jesorka A, Orwar O | Czolkos I, Erkan Y, Jesorka A, Orwar O | 3/26/2007 | 2/26/2009 |
| WO 2009020477 | A new composition comprising specified protein sequences, useful for providing modified avian pancreatic polypeptides and modified pancreatic peptide YYs for drug screening and for treating diseases. | Yale University (New Haven, CT, USA) | Hodges AM, Kritzer JA, Schepartz AS, Zellefrow C | 8/6/2007 | 2/12/2009 |
| CN 101363020 | A cell-conglutinating device consisting of a substrate and a poly(dimethylsiloxane) seal. The upper surface of the substrate is plated with a titanium adhesion layer or a chromium adhesion layer by evaporation. The titanium adhesion layer or chromium adhesion layer is plated with a gold layer. The device is useful for drug screening. | National Center for Nanoscience and Technology of China (Beijing) | Chen Z, Jiang X, Li Y | 8/6/2007 | 2/11/2009 |
| CN 101343633 | A method of preparing a HER2 stable expression cell system for screening drugs for preventing and/or treating mammary cancer comprising inserting the HER2 encoding gene into the multiple cloning site of a eukaryon expression carrier. | Beijing University (Beijing) | Lan R, Zhang C, Zhang H | 9/5/2008 | 1/14/2009 |

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