

Recent patents in high-throughput screening

Patent #	Subject	Assignee	Inventor(s)	Priority application date	Publication date
EP 1207394	A non-isotopic immunoassay for determining a HIV protease inhibitor (e.g., saquinavir, amprenavir, indinavir, nelfinavir, or ritonavir) in a sample.	Hoffman-La Roche; Roche Diagnostics (Basel, Switzerland)	Salamone SJ	11/14/2000	5/22/2002
DE 10054878	A cell line expressing recombinant sodium channels; useful in screening for specific modulators, potentially useful as analgesics, derived from peripheral nerves.	Boehringer Ingelheim (Germany)	Akiba I, Barsoumian EL, Iizuka M, Nishimura S, Seki T	11/6/2000	5/8/2002
WO 200235187	A pipette system comprising a pipette capillary, an actuator for adjusting the position of a phase boundary between a system medium and a second medium in the capillary, a sensor element for measuring the position of the phase boundary, and a regulating element; used for pipetting liquids in high-throughput screening.	Fraunhofer Gesellschaft (Munich)	Grünzig S, Lisec T, Mühlmann S	10/24/2000	5/2/2002
US 20020039751	A method for the high-throughput screening of test compounds using a microfluidic device; comprises flowing the first component of a biochemical system in the first of at least two intersecting channels in substrate, flowing the first test compound from a second channel into the first channel so that the test compound contacts the first component, and detecting an effect of the test compound on the biochemical system.	Caliper Technologies (Mountain View, CA)	Bousse LJ, Kopf-Sill AR, Parce JW	4/16/1996	4/4/2002
US 6365357	A method for screening P-glycoprotein inhibitors by incubating a cell expressing the protein in presence or absence of the compound, reacting the cell with an antibody specific to the protein and comparing cell-antibody binding.	Onotech (Irvine, CA)	Fruehauf J, Mechetner E	5/21/1999	4/2/2002
WO 200220493	A method of preparing 2-imidazolone compounds using a polymer-bound 1,2-ethylenediol to form a polymer-bound urea acetaldehyde acetal and reacting with an acid to provide the 2-imidazolone; useful for making a large number of compounds (e.g., for high-throughput screening).	Chugai Seiyaku (Tokyo)	Cheng JF	9/6/2000	3/14/2002
WO 200221125	A method of identification of drug discovery targets comprising assaying a target by assigning a putative function to the target, providing a library of interaction candidates, providing a reaction mixture comprising the target, and contacting the target with member(s) of the library of interaction candidates; provides for rapid identification and high-throughput screening of targets.	Althexis Co. (Waltham, MA)	Ali J, Connelly GP, Connelly P	10/26/2000	3/14/2002
WO 200218946	A probe consisting of an immobilized phosphatidyl acid derivative attached on to a solid support; for use in an assay method for detecting, measuring, identifying, and/or isolating phosphatidic acid in a test sample.	Lim Z; Babraham Institute; Cambridge University Tech. Services Ltd. (Cambridge, UK)	Hawkins PT, Holmes AB, Ktistakis N, Manifava M, Stephens L, Thuring JWJF	12/15/2000	3/7/2002
US 20020028469	A method for defining the portion of chemical compounds having binding affinity for a target receptor by generating monoclonal antibodies; useful in high-throughput screening that overcomes the difficulties in identification, availability, or purification of receptors, and that provides a more inexpensive means of screening for compounds that bind to the receptors.	Burch RM; Sackler RS	Burch RM, Sackler RS	11/14/1997	3/7/2002
DE 10027794	A process for analyzing enzyme-catalyzed conversion of non-polymeric substrates to non-polymeric products by matrix-assisted, laser desorption and ionization, time-of-flight mass spectrometry (MALDI-TOF MS); useful for high-throughput screening of organisms for the presence of selected enzymatic activities (e.g., enzymes produced as a result of mutagenesis or gene shuffling).	BASF (Ludwigshafen, Germany)	Hauer B, Heinze E, Hollenmeyer K, Kang M, Tholey A	6/7/2000	12/13/2001

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