Title (en)
METHOD FOR PREDICTING BIOLOGICAL SYSTEMS RESPONSES IN HEPATOCYTES

Title (de)
VERFAHREN ZUR VORHERSAGE DER REAKTIONEN BIOLOGISCHER SYSTEME IN HEPATOZYTEN

Title (fr)
PROCÉDÉ DE PRÉDICTION DES RÉPONSES DE SYSTÈMES BIOLOGIQUES DANS DES HÉPATOCYTES

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Application
EP 08779870 A 20080626

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Abstract (en)
[origin: WO2009002565A1] The inventive method employs a "systems biology" approach to predicting hepatotoxicity and other biological hepatocyte responses resulting from exposure to the test substance. In one embodiment, the invention provides an automated method for predicting the hepatocyte biological systems effect of a test substance. In another embodiment, the invention provides a method for constructing a knowledgebase (or database) of cellular systems biology response profiles for reference substances with known biological systems effects. In another embodiment, the invention provides a set of protocols and software tools used to carry out the profiling. Another embodiment of the invention is a panel of reagents. In another embodiment, the invention provides a set of protocols and software tools used to carry out the profiling. Another embodiment of the invention is a panel of reagents and protocols required for generating cellular systems biology response profiles, either to create a knowledgebase, or to use with an existing knowledgebase and informatics software to profile substance physiological effects. Another embodiment of the invention is a database of physiological profiles.

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