

Title (en)

METHOD FOR IDENTIFYING BIOLOGICALLY ACTIVE SUBSTANCES BY THEIR EFFECT ON LIVING CELLS

Title (de)

VERFAHREN ZUR IDENTIFIZIERUNG BIOLOGISCH AKTIVER SUBSTANZEN DURCH IHRE WIRKUNG AUF LEBENDEN ZELLEN

Title (fr)

PROCEDE D'IDENTIFICATION DE SUBSTANCES BIOLOGIQUEMENT ACTIVES DE PAR LEUR EFFET SUR DES CELLULES VIVANTES

Publication

EP 0817965 A1 19980114 (EN)

Application

EP 96908028 A 19960329

Priority

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Abstract (en)

[origin: WO9630760A1] A rapid automated method for identifying biologically active substances by their effect on living cells comprises the steps: a) culturing cells on/within a matrix that fluidically can be controlled; b) loading the cells with luminescent chemical molecules or having them previously transfected with recombinant molecules having luminescent properties; c) injecting a well defined volume of the cell carrying matrix suspension into a flow fluid which transports the suspension into a flow chamber having a wall through which the content of said flow chamber may be monitored; d) perfusing the cells with a sample containing a potentially biologically active substance; e) measuring the luminescence response of the content in the flow chamber; f) flushing the flow chamber to make it ready for a new testing cycle.

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