

Title (en)

METHOD FOR CARRYING OUT A MEASUREMENT OF THE INTERACTION OF CHEMICALS WITH CELLS

Title (de)

VERFAHREN ZUR DURCHFÜHRUNG EINER MESSUNG DER INTERAKTION VON CHEMIKALIEN MIT ZELLEN

Title (fr)

PROCEDE POUR LA REALISATION D'UNE MESURE DE L'INTERACTION DE PRODUITS CHIMIQUES AVEC DES CELLULES

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Application

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Abstract (en)

[origin: WO9960094A2] The invention relates to a method for determining the interaction of chemicals with cells in a reactor, e.g. in a fixed-bed reactor or in a fluid-bed reactor. To this end, a signal is measured which is produced by one of the components affected during the reaction. The signal is suited for being detected by a detection system situated outside of the reactor. The component which produces the signal can be the chemical itself in which case it can concern the analysis of the pharmacokinetic characteristics of the chemical. An additional possibility relates to the analysis of an influence of the chemical on processes within the cell. A device for carrying out the inventive method comprises a reactor for accommodating the cells, a circulation system, control units for monitoring the composition of the medium, a system for gassing the medium, an entry for the chemical and at least one detection system for detecting the interaction.

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