

Title (en)

FLUIDIC SYSTEM FOR PRODUCING EXTRACELLULAR VESICLES AND ASSOCIATED METHOD

Title (de)

FLUIDISCHES SYSTEM ZUR HERSTELLUNG VON EXTRAZELLULÄREN VESIKELN UND ZUGEHÖRIGES VERFAHREN

Title (fr)

SYSTÈME FLUIDIQUE DE PRODUCTION DE VÉSICULES EXTRACELLULAIRES ET PROCÉDÉ ASSOCIÉ

Publication

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Application

EP 19850769 A 20191227

Priority

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Abstract (en)

[origin: WO2020136362A1] The invention relates to a fluidic system for producing extracellular vesicles (EV) from producer cells in suspension, comprising at least one container, a liquid medium contained in the container, producer cells in suspension, a liquid medium stirrer, means for controlling the speed of the stirrer suitable for the growth of the producer cells into suspension, characterized in that the means for controlling the speed of the stirrer, the stirrer and the shape and dimensions of the container are suitable for generating a turbulent flow of the liquid medium in the container for exerting shear stresses on the producer cells in order to carry out the production of extracellular vesicles (EV), the Kolmogorov length of the flow being less than or equal to 50 μm .

IPC 8 full level

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