

Licensing Opportunity

MULTI-WELL FILTER PLATE

Several analytical methods associated with specific tools have been already explored to prepare and to analyse body's fluids in order to measure the quantity of different biomarkers carried in.

For example, plasma and urine catecholamines provide a reliable biomarker of sympathetic activity. Commercially existing methods relying on solid phase extraction technology are time-consuming, lack sensitivity or required derivatization of catecholamine by hazardous reagents priori to the analytical step.

There is still a need to find a simple, safe and rapid analytical system.

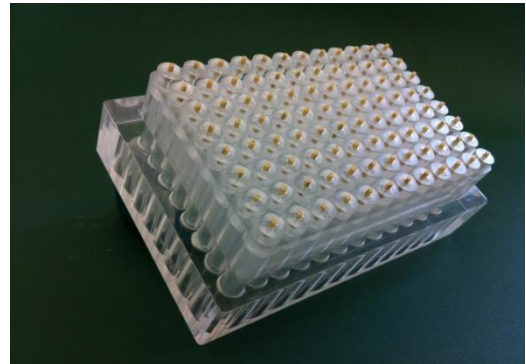
DESCRIPTION

The inventors have developed a new multi-well filter plate to facilitate and accelerate preparation and treatment of samples extracted from body's fluids.

The claimed kit may be advantageously used for the measurement with precision of plasma catecholamines in small sample volumes and in a really short time thanks to tandem MS analysis.

STAGE OF DEVELOPMENT

Inventors have realized the proof of concept of the new multi-well filter plate and will develop now a commercial kit.



ADVANTAGES

The developed multi-well filter plate could be useful to capture a ligand in a liquide-solid matrix in suspension prior its elution. It is highly sensitive and increases in throughput for extraction with a time gain. It requires a small volume of plasma.

The technology may be advantageously used for the development of a kit to measure catecholamines in biological fluids to help diagnose or rule out a phaeochromocytoma or other neuroendocrine tumors.

INTELLECTUAL PROPERTY

Priority date: September 11, 2012.

Extension in EP and US filed in the name of the CHUV and naming as inventors E. Grouzmann, M. Dunand, D.Gubian.

COLLABORATION TYPE

PACTT offers to grant exclusive or non-exclusive license to industrial partners able to develop and commercialize the technology.

REFERENCE

IDF 12/12