

ROOM OF ILLUMINATION FOR RAMAN SPECTROSCOPY

Ref AP-HP 10-103

Keywords

*Raman spectrometry –
Pharmacy – Drug – Quality
control - Radiotherapy - Clinical
biochemistry*

Intellectual property

*Patent family:
WO2012045853
US2013301043
JP2013539045
FR2965920
ES2511165
EP2625506
DK2625506
CA2813649 (A1)*

Stage of development

Optimized prototype

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Background

Analytical Quality Control aims at guaranteeing the parameters, identity, purity and concentration of the molecules of interest. In hospital pharmacies, manufactured products can be expensive or need specific precautions of use (e.g. chemotherapies). In general, the devices used for quality control present many drawbacks in terms of waste of time and materials, of samples loss of integrity or of exposure of medical staff to hazardous compounds. The invention allows the accurate analysis of solid samples or liquid in plastic or glass containers. The use of such device avoids any product loss and contamination of the technicians.

Technology

The proposed technology involves a new method for quality control of therapeutic treatments in any type of pharmaceutical form and allows Raman spectrometry analysis of samples with complex shapes and particularly of drugs in their packaging. It also makes possible the analysis of samples in any kind of physical or chemical state. Moreover, it allows easy and fast loading of the samples without re-setting the spectrometer. Overall, it results in optimal use of the technique for routine procedures (robust and reliable results).

Type of partnership desired

AP-HP is looking for an industrial partner for the commercialization of the technology and offers to grant license on the patent.