

Title (en)

APPARATUS AND METHOD FOR PREPARING LIQUID SAMPLES FOR A SAMPLE ANALYSIS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR VORBEREITUNG VON FLÜSSIGKEITSPROBEN FÜR EINE PROBENANALYSE

Title (fr)

APPAREIL ET PROCÉDÉ DE PRÉPARATION D'ÉCHANTILLONS LIQUIDES POUR ANALYSE D'ÉCHANTILLONS

Publication

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Application

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Abstract (en)

A sample preparing apparatus 100 for preparing a plurality of liquid samples 1 for a sample analysis, for instance for mass spectrometry, comprises a carrier plate device 10 with an array 11 of reaction sites 12, wherein the carrier plate device 10 is adapted for a first arrangement condition, wherein the reaction sites 12 are exposed and the carrier plate device 10 is configured for accommodating the samples 1 and supplying reagents to the liquid samples 1, and a collection device 20 comprising a collection vessel 21 with a vessel opening and a vessel bottom 23, wherein the collection vessel 21 is adapted for collecting the liquid samples 1 from at least two of the reaction sites 12 and providing the liquid samples 1 for the sample analysis, wherein the collection device 20 is adapted for a detachable connection with the carrier plate device 10, so that the vessel opening of the collection vessel 21 faces to the reaction sites 12, and the carrier plate device 10 is further adapted for a second arrangement condition, wherein the collection vessel 21 is connected with the carrier plate device 10 and the liquid samples 1 are capable to flow from the reaction sites 12 to the collection vessel 21 by the effect of a driving force. Furthermore, a sample preparing method for preparing a plurality of liquid samples 1 for a sample analysis is described, wherein the sample preparing apparatus 100 is used.

IPC 8 full level

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CPC (source: EP)

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