Title (en)

MICROTUBE AND CONNECTOR ASSEMBLY

Title (de)

VERBINDUNGSTYP-VORRICHTUNG FÜR MIKROLITERMENGEN

Title (fr)

SYSTEME DE RACCORDEMENT ET MICROTUBE

Publication

EP 0612403 B1 19990203 (EN)

Application

EP 92925198 A 19921113

Priority

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Abstract (en)

[origin: WO9310433A1] A connection type fluid transfer and treatment system apparatus (100) and method for efficiently and continuously executing transfer and treatment of small amounts of sample solutions without substantial transfer loss, which includes a first tube (110a) having one open end (112a) and a second closed end, a second tube (110b) having substantially the same shape as the first tube also having one open end (112b) and one closed end, and a connector assembly (126) for connecting together the open end (112a) of the first tube (110a) to the open end (112b) of the second tube (110b). The connector assembly (126) includes a foramenous membrane support (134), which removably receives chemically or biologically treated membranes (156) for applying a predetermined treatment to a solution while passing the sample solution from the first tube (110a) to the second tube (110b). The sample is typically filtered through the membrane (156) by centrifugation. A special adaptor (170) is provided for receivingly engaging the transfer system (100) during centrifugation. The system (100) permits handling microliter quantities of reactive solutions in biochemical analyses, treatments and assays without use of micropipets, without the usual loss of solution.

IPC 1-7

G01N 1/18; B01L 3/14; G01N 1/28

IPC 8 full level

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