

Title (en)
DISPOSABLE STORAGE, TRANSPORT AND RESUSPENSION SYSTEM

Title (de)
WEGWERFBARES LAGER-, TRANSPORT- UND RESUSPENSIONSSYSTEM

Title (fr)
SYSTEME JETABLE DE STOCKAGE, DE TRANSPORT ET DE REMISE EN SUSPENSION

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Abstract (en)
[origin: WO9747377A1] The present invention relates to a package for storing, mixing, resuspending, and dispensing sterile or non-sterile solutions or suspensions. The invention comprises a collapsible, sterilizable bag (1) having fittings for tubes (13, 15) which provide for the introduction and exit of fluids and solids into and out of the bag (1). A mixing block (60) having spray arms (66) is also provided within the bag (1) for mixing and resuspending the contents within the collapsible bag (1). Dip tubes (10, 11) are provided to withdraw liquid from the bag and is recirculated through a return tube (12) which is connected to the mixing block (60). The recirculated liquid is channeled to spray arms (66) and is reintroduced into the bag (1) through ports (64, 69) thereby providing a closed loop system for mixing. Additionally, a structural support device (2) is provided for supporting the collapsible bag during shipment, filling, and dispensing. Unlike conventional stainless steel equipment, the system is disposable, does not require cleaning, provides for safe, rapid and accurate resuspension of suspended solids, and can accommodate a wide range of liquid volumes.

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