

Abstract

**A STERILE REAGENT PREPARATION DEVICE AND THE METHOD OF USING
THE SAME**

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The present application discloses a sterile reagent preparation device for preparing a stock solution of a toxic reagent under a sterile condition in a laboratory. The sterile reagent preparation device comprises a liquid reservoir for storing a solvent and a reagent container for containing a reagent under a sterile condition. The liquid reservoir
10 comprises a movable shell, a flipper inside the movable shell, two or more cannulas outside the movable shell and a head connecting the flipper and the cannulas. The reagent container comprises a body, a cap, a cap cover and a membrane. The cap comprises two or more holes; while the cap cover comprises two or more protruding parts for blocking and covering the holes accordingly. During usage, the one or more
15 cannulas peer through the holes and the membrane. The stored solvent flows from the liquid reservoir across the flipper, along the head and the two or more cannulas, into the cover of the reagent container, through the membrane and finally mix with the reagent to produce the stock solution. The method of using the sterile reagent preparation device is also disclosed in the present application.

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(Fig. 1)