ABSTRACT

The present invention relates to a filtering injection needle assembly for a syringe, and more particularly, to an apparatus for further facilitating suction of an injection liquid when a cap provided with a filter for filtering a foreign substance is used on a syringe. The filtering injection needle assembly includes an injection needle (100) including a needle (110) and a hub (120) for supporting the needle (110) and configured to be couplable to the syringe; and a cap (200) configured to receive the needle (110) and to be hermetically couplable to an outer periphery of the hub (120) and including a filter (210), wherein the hub (200) is formed with a through-hole (121) for communication between an inside and an outside of the hub, and opening/closing of the through-hole (121) is controlled by a one-way valve means (300). The filtering injection needle assembly blocks foreign substances introduced into the syringe and also adhered to the injection needle so that the filtering injection needle assembly may prevent ampoule fragments from being injected together with the injection liquid into a human body, thereby enhancing safety, and wherein the filtering injection needle assembly has various types of one-way valve means provided in the hub of the injection needle to further facilitate the suction of the injection liquid, thereby improving user's convenience of use and thus maximizing merchantability and market competitiveness of a product.