ABSTRACT

A SAFETY SYRINGE

A safety syringe comprises: a hollow barrel, a plunger with a piston, a hard rubber adaptor, and a needle. The piston includes a rubber element having a central room space to allow the plunger tip to move axially therein for performing functions to enable drawing fluid starting at 0cc level and interlocking respectively. The adaptor affixed at a distal protruding nose of the barrel and the needle is locked at a threaded portion within the adaptor snugly, which includes a female interlocking structure at proximal end to receive a male interlocking structure aligning a loosen means of the plunger, characterized in that the male interlocking structure is loose staying within, carrying the adaptor with the needle into the barrel upon retracting the plunger, in the manner that the loosen adaptor declines together with the needle causing the needle tip declined and is abutted by the base within. Further pulling the plunger, the piston is abutted by the abutting structure of the barrel allowing the plunger to break at a fragile portion provided, thereby absolutely ensuring non-reusable and avoid needle stick injuries.

(FIG. 1a to FIG. 1e)

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