SAFETY NEEDLE SYRINGE

ABSTRACT

A safety needle syringe includes a barrel having an inside surface defining a chamber, an open proximal end and a distal end. A movable needle carrier is positioned in fluid-tight engagement with the inside surface of the barrel and includes a distal end, a proximal end and a passageway therethrough in fluid communication with the chamber. A needle cannula projects outwardly from the distal end of the carrier and includes a lumen in fluid communication with the passageway. A plunger assembly is slidably positioned in fluid-tight engagement with the inside surface of the barrel. Structure is providing for allowing the distal end of the plunger to engage the carrier for allowing distally and proximally directed forces applied to the proximal end of the plunger to be transmitted to the carrier. Control structure is provided for helping to prevent movement of the carrier with respect to the barrel during normal use of the syringe while the control structure is in a first locked position and for allowing the carrier to be moved proximally into the chamber through forces applied to the plunger while the control means is in a second unlocked position.

This Sheet Has Been Replaced