

SUPERPLAST MICS Cardioplegia Cannula (MRK-4)

1 Replacing the Needle (MRK-4S)



Fig. 1

Fig. 1: To remove the needle to replace, hold it at the base plate and turn it counterclockwise. Fig. 2 shows the needle partially turned out.



Fig. 2



Fig. 3

Fig. 3: To install the replacement needle, insert its male thread into the female thread of the connecting piece and turn it clockwise until it fits tightly. Fig. 4 shows the correctly installed needle.



Fig. 4

2 Removing and Installing the Luer Lock Adapter

The Luer Lock adapter is screwed on the tube such that the connection is secure and tight. It is not necessarily required for the processing to remove the adapter. If the LL adapter needs to be removed, do the following:

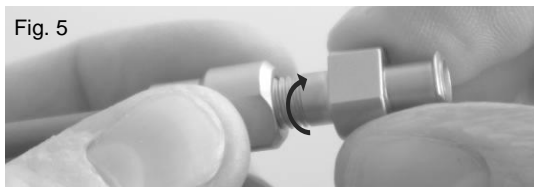


Fig. 5

Fig. 5: To remove the LL adapter hold it with both hands and loosen the inner nut (shown on the left on the photo) by turning it counterclockwise.



Fig. 6

Fig. 6: Pull the LL adapter from the tube. The LL adapter consists of two parts: nut and base element.

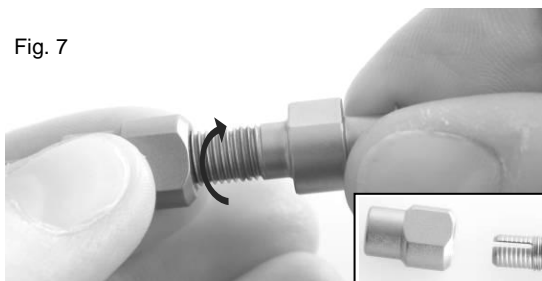


Fig. 7

Fig. 7: To separate both parts turn the nut counterclockwise until it comes off (fig. 7a).

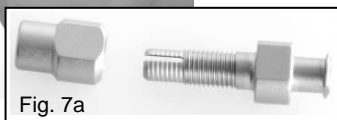


Fig. 7a



Fig. 8

Fig. 8: To assemble the LL adapter slide the nut over the tube.



Fig. 9

Fig. 9: Place the base element of the LL adapter on the tube and slide it to the stop.

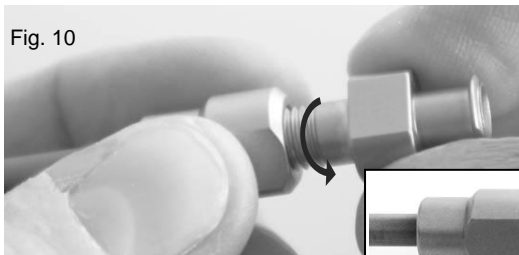


Fig. 10

Fig. 10: Slide the nut onto the thread of the base element and turn it clockwise to the stop. Now the LL adapter is tightly connected to the tube (fig. 10a).

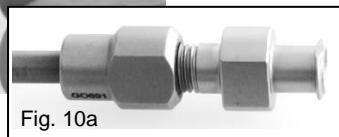


Fig. 10a