

Marrow Marxman Instructions

1. Prepare a heparin solution of 2,000 units/ml by using two 5ml vials of heparin (1,000 units/ml) and adding 3ml of sterile saline.
2. Coat the device with the heparin solution and aspirate a small amount into its inner core.
3. Make a 4mm "stab" incision over the desired entry point.
4. Dissect down to the bone surface.
5. Optional 4.75mm stoppered drill bit to drill only through the cortex. Or, punch through without a drill.
6. Insert the Marrow Marxman with trocar installed into the cortical hole.
7. Once in place remove the trocar and insert a 10ml or 20ml heparin coated syringe onto the device.
8. Begin aspirating as you move through the marrow space using a back-and-forth motion with the device handle, pausing every few millimeters to continue the aspiration process until you have the desired volume - often 10ml. Continue if more volume is desired.
9. See steps 9 and 10 of the package insert.