Prior to aspiration procedure, please follow the heparin flush procedure steps on reverse of this page.

1. Insert Access Needle past cortex just into medullary space. Ensure longitudinal orientation.

2. Remove Sharp Stylet, attach Syringe, draw 1mL to test proper localization of Access Needle tip.

3. Remove Syringe, Insert Blunt Stylet, continue to advance Access Needle to the desired depth.

4. Rotate Outer Housing clockwise to skin level and remove the Blunt Stylet.

5. Insert Aspiration Cannula & Attach to the Access Needle.

6. Attach syringe & draw 1mL of marrow.

7. While holding Outer Housing in place, rotate handle 360° counterclockwise with opposite hand to raise Cannula tip into the new geography.

8. Draw 1mL of marrow.

9. Repeat steps 7 and 8 until desired volume is attained.

*Abbreviated Instructions. Please refer to the package insert for complete instructions for use.
SUGGESTED HEPARIN FLUSH PROCEDURE
FOR BONE MARROW ASPIRATE

1. Withdraw 2,000 units/mL* of Heparin from the sterile bowl into 10mL syringe.
2. Remove the Stylets from Introducer Needle and Aspiration Cannula with distal end of needle inside sterile bowl.
3. Connect the Heparin-filled syringe to the shorter Introducer needle and inject the Heparin until the needle is fully rinsed (is flowing through end of needle). Aspirate Heparin back into the syringe and disconnect it from needle.
4. Repeat step 3 for the longer aspiration needle.
5. Rinse each stylet (3), short introducer sharp (1) and blunt (2), longer aspiration stylet (3).
6. With needle guards in place, rinse the outside of each needle by injecting Heparin into the open end of the guard.

BEGIN ASPIRATION PROCEDURE FOR IMMEDIATE USE (EX. MIXING WITH BONE GRAFT)
OR
CONTINUE FOLLOWING STEPS FOR BONE MARROW ASPIRATE INJECTION THROUGH 22 GAUGE NEEDLE

7. Rinse the 22 Gauge Needle with 2,000 units of Heparin.
8. Add 1/2 mL of Heparin into collection syringe.

*It is important that the strength per mL of the Heparin rinse is at least 1,000/mL but preferably 2,000/mL and that you have adequate volume (10mL) to rinse all needles and syringes. Using a sterile bowl, add sterile Saline or PBS to dilute Heparin to 2,000 units/mL.

The tables below detail the amount of Heparin and Saline or PBS needed to dilute the Heparin to 2,000 units/mL.

<table>
<thead>
<tr>
<th>Using 5,000/mL Heparin</th>
<th>mL of Heparin Required</th>
<th>mL of Saline or PBS</th>
<th>Total Heparin Units</th>
<th>Total mL</th>
<th>Heparin/mL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4</td>
<td>6</td>
<td>20,000</td>
<td>10</td>
<td>2,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Using 10,000/mL Heparin</th>
<th>mL of Heparin Required</th>
<th>mL of Saline or PBS</th>
<th>Total Heparin Units</th>
<th>Total mL</th>
<th>Heparin/mL</th>
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<td>2</td>
<td>8</td>
<td>20,000</td>
<td>10</td>
<td>2,000</td>
</tr>
</tbody>
</table>

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Consult instructions for use at this website www.medtronic.com/manuals.

Note: Manuals can be viewed using a current version of any major internet browser. For best results, use Adobe Acrobat® Reader with the browser.

Please see the package insert for the complete list of indications, warnings, precautions, and other important medical information.

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