Thermo Scientific Shandon M-1 Embedding Matrix
Instructions for Use

For in vitro diagnostic use.
For use as a frozen specimen embedding medium.

Thermo Scientific™ Shandon™ M-1 Embedding Matrix™ is an outstanding embedding medium used to support tissue for frozen sectioning at temperatures between -12° to -14° C. It forms a firm bond with the specimen holder that secures tissue during cryotomy. M-1 Embedding Matrix freezes quickly, sections smoothly and dissolves in water without residue.

Instructions For Use

1. Cover the surface of the specimen holder with a thick layer of M-1 Embedding Matrix.
2. Position and orient tissue on holder and press lightly to eliminate air bubbles beneath the tissue.
3. Apply additional M-1 Embedding Matrix until the tissue is surrounded.
4. Freeze tissue to holder in usual manner until tissue and medium are firm. The color of the medium will lighten considerably but will still be easily identifiable.
5. Section specimen in usual manner.
6. No special procedure is required to remove M-1 Embedding Matrix from sections; it will dissolve in alcohol or aqueous solutions during the staining procedure.
7. To remove specimen from holder for further processing, dissolve medium and immediately place specimen in fixative.
8. To avoid vacuole formation within the cells (sometimes referred to as “freeze artifact”) it is best to freeze tissues as rapidly as possible. Tissues allowed to freeze slowly have sufficient time for the formation of ice crystals within the cells. These ice crystals expand inside the cells. When the ice crystals melt during staining, large holes or vacuoles remain inside the cells.

Warnings and Precautions

See Safety Data Sheets for warnings and precautions, as well as EUH code definitions.
See container label for warnings and precautions.

Order Information

<table>
<thead>
<tr>
<th>Product</th>
<th>Size</th>
<th>Qty.</th>
<th>REF</th>
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<tbody>
<tr>
<td>M-1 Embedding Matrix</td>
<td>180 mL</td>
<td>Ea.</td>
<td>1310</td>
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