

Mold Release Concentrate - Technical Memo

SOLUTION:	120 ml	120 ml X 6
Mold Release Concentrate	Part 1246A	Part 1246A

Additionally Needed:

Alcohol, Ethyl Denatured, 100%	Part 10841	or	Alcohol, Isopropyl ACS, 100%	Part 12094
Base Molds, Stainless Steel	Part 5104			
Base Molds, Disposable	Part 5105			

For storage requirements and expiration date refer to individual bottle labels.

APPLICATION:

Newcomer Supply Mold Release Concentrate, when diluted to a working mold release solution, facilitates the clean release of cooled, solidified paraffin embedded tissue blocks from tissue embedding base molds.

METHOD:

Solutions: All solutions are manufactured by Newcomer Supply, Inc.

PROCEDURE:

- Dilute Mold Release Concentrate to a working solution. Combine solutions in a plastic spray bottle and mix well;
 - Mold Release Concentrate 5 ml
 - Ethyl Alcohol or Isopropyl Alcohol 95 ml
 - Store unused Mold Release Working Solution at room temperature for up to 6 months.
 - Keep working solution tightly capped when not in use.
- Arrange clean and dry stainless steel base molds (5104) or plastic disposable base molds (5105) on paper towels or bench paper in an adequately ventilated area.
 - See Procedure Note #1.
- Spray all embedding base molds thoroughly with Mold Release Working Solution, allowing small beads of solution to form on base mold surfaces that will come in contact with paraffin.
 - See Procedure Note #2.
- Allow embedding base molds to thoroughly air dry prior to use.
 - Thorough drying of treated embedding base molds is necessary to avoid residual Mold Release Solution mixing with paraffin during embedding process.
- Embed paraffin processed tissue in appropriate size embedding base molds that have been Mold Release treated and dried.
- Cool paraffin blocks on embedding center cold plate.
- After paraffin has completely solidified, cooled tissue blocks will easily separate from embedding base molds.
 - See Procedure Note #3.
- Repeat treatment of clean and dry base molds with Mold Release Working Solution on a routine basis.

PROCEDURE NOTES:

- If plastic disposable base molds are reused, Mold Release Working Solution will assist with easier block release.
- Spraying embedding base molds provides a better adherence of Mold Release and preferred over soaking base molds in solution.
- If tissue blocks are difficult to remove from embedding base molds, a sharp tap of the base mold on the bench top will facilitate removal.