

Mold Release Concentrate - Technical Memo

SOLUTION:

Mold Release Concentrate

120 ml

Part 1246A

120 ml X 6

Part 1246A

Additionally Needed:

Alcohol, Ethyl Denatured, 100%

Part 10841

or

Alcohol, Isopropyl ACS, 100%

Part 12094

Base Molds, Stainless Steel, Heavy Duty

Part 5103

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.

REFERENCES:

1. Sheehan, Dezna C. and Barbara B. Hrapchak. *Theory and Practice of Histotechnology*. 2nd ed. St. Louis: Mosby, 1980. 66.
2. Modifications developed by Newcomer Supply Laboratory.

METHOD:

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

PROCEDURE:

1. Dilute Mold Release Concentrate to a working solution. Combine solutions in a plastic spray bottle and mix well;
 - a. Mold Release Concentrate 5 ml
 - b. Ethyl Alcohol or Isopropyl Alcohol 95 ml
 - c. Store unused Mold Release Working Solution at room temperature for up to 6 months.
 - d. Keep working solution tightly capped when not in use.
2. Arrange clean and dry stainless steel base molds (5103, 5104) or disposable base molds (5105) on paper towels or bench paper in a ventilated area.
3. 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.
 - a. See Procedure Note #1.
4. Allow embedding base molds to thoroughly air dry prior to use.
 - a. Thorough drying of base molds is necessary to avoid residual Mold Release Solution mixing with paraffin during embedding process.
5. Embed paraffin processed tissue in embedding base molds that have been treated with Mold Release and dried.
6. Cool paraffin blocks on embedding center cold plate.
7. After paraffin is solidified, cooled tissue blocks will easily separate from embedding base molds.
 - a. See Procedure Note #2.
8. Repeat treatment of clean and dry base molds with Mold Release Working Solution on a routine basis.

PROCEDURE NOTES:

1. Spraying embedding base molds provides a better adherence of Mold Release and preferred over soaking base molds in solution.
2. 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.