

# Plastic - Embedding



## JB-4® Embedding Kit

Water-soluble, GMA based, plastic resin kit intended for use in the preparation of embedded samples for high resolution light microscopy. Widely used for research and clinical diagnosis. JB-4 yields semi-thin sections (0.5 $\mu$ -2 $\mu$ ) with excellent morphological preservation. Clear casts are obtained in 90 minutes or less at room temperature. JB-4 is the leading water-soluble plastic embedding kit for light microscopy. It has been successfully used in enzyme histochemistry, and auto-radiography.



**Kit Contains:** 800ml Solution A; 30ml Solution B; 12g Catalyst

**Hazards:** Oxidizer, Irritant, Skin sensitizer

**Handling:** Gloves, Chemical goggles & Fume hood

**Storage:** Store at room temperature

## JB-4® Plus Embedding Kit

Unique polymer embedding system that gives a higher level of morphological detail than paraffin processed tissues. Offers all the benefits of JB-4, plus additional advantages of a cooler acting accelerator and the production of clear blocks. Clear polymer embedding matrix is essential to numerous histological & histochemical procedures, most notably in ophthalmic applications. Does not require dehydration to absolute alcohol except for dense, bloody or fatty tissue specimens. Excellent for routine stains, special stains, and histochemical staining.



**Kit Contains:** 500ml Solution A, 15ml Solution B, 8g Benzoyl Peroxide, Catalyst

**Hazards:** Combustible, Organic peroxide, Irritant, Toxic

**Handling:** Gloves, Chemical goggles & Fume hood

**Storage:** Store at room temperature

## Osteo-Bed Bone Embedding Kit

Formulation for embedding large and small mineralized (undecalcified) bone specimens. Large bone samples embedded with Osteo-Bed should be sectioned with a heavy-duty microtome. Small bone and soft tissue should be sectioned with a microtome designed to cut plastic embedded materials. Osteo-Bed is a methyl methacrylate-based material that can be removed from the section and allows the use of staining procedures very much like a paraffin section. Also recommended for immunohistochemistry procedures performed on trephines and other non-decalcified bone or soft tissues. Not water-soluble.

**Kit Contains:** 900ml Osteo-Bed Resin Solution A; 2 x 12gm Benzoyl Peroxide; Plasticized (Catalyst)

**Hazards:** Flammable liquid, Oxidizer, Irritant, Skin sensitizer, Toxic

**Handling:** Gloves, Chemical goggles & Fume hood

**Storage:** Store at room temperature

## Osteo-Bed Plus Embedding Kit

Offers the same benefits as Osteo-Bed Bone Embedding Kit with the added benefit of producing much harder blocks for supporting undecalcified bone specimens and bone containing metal implants, grafts and stents. Infiltrates rapidly and produces high hardness after polymerization.



Cat. #      Sizes

### JB-4® Embedding Kit

00226      1 Kit

### JB-4® Plus Embedding Kit

18570      1 kit

### Osteo-Bed Bone Embedding Kit

17734      1 kit

### Osteo-Bed Plus Embedding Kit

24889      1 kit