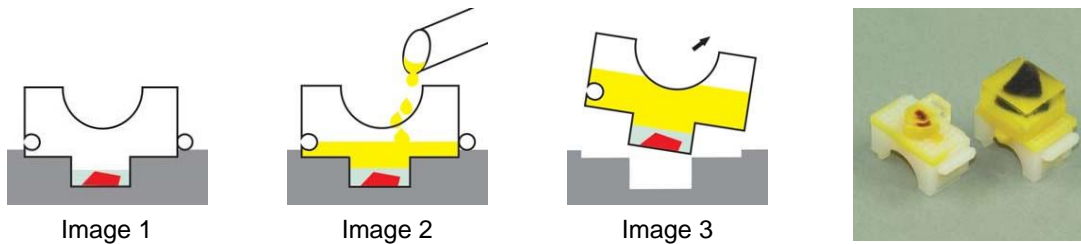


# Technical Data Sheet

## ▶ Technovit® 3040 Histobloc®



#14654-60



### Stabilized Plastic Embedded Tissue for the Thinnest Sections

Technovit® 3040 is a quickly hardening 2-component plastic with a methyl meth acrylate base (MMA). It is used to block or fasten embedded plastic specimens with the Histobloc® or for socket embedding.

#### *Histobloc® - support elements*

The Histobloc® supports are adjustable to Histoforms S + Q or for Histoform N.

#### *Blocking*

Once Technovit® 7100, Technovit® 8100 or Technovit® 9100 has hardened, the Histobloc® support element is placed in the opening in the Teflon embedding form Histoform S/Q or Histoform N intended for this purpose (Image 1).

If Technovit® 8100 was used for embedding, the cover film must be removed from the specimen before the Histobloc® support element is put into place.

For Histoform N, the aluminium lid is removed and the PE film is removed.

Mix Technovit® 3040 until it is as viscous as possible (mixing ratio 2-3 volumetric parts of powder to 1 volumetric share of liquid). Pour the mixed material into the opening in the Histobloc® (Image 2).

Technovit® hardens and the Histobloc® tightly bonds to the specimen in 5-10 minutes, depending on the room temperature.

The specimen can now be removed from the form and is ready to be cut (Image 3). Through blocking with the very hard Technovit® 3040, the elastic Technovit® 7100 or Technovit® 8100 is stabilized in such a way that even the thinnest sections are possible.

#### *Clamp the specimen on the microtome.*

The square form of the Histobloc® allows for the specimen to be directly clamped in the rotation microtome's totem cam system.

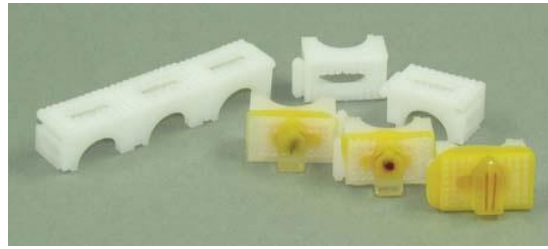
#### *Note for Technovit® 9100:*

When using the round Histo embedding form for Technovit® 9100, the specimen can be clamped directly in the round specimen holder; blocking is not necessary.

#### *Storing and archiving specimens 7100 and 8100*

The Histoblocs can be stacked on top of each other for better archiving. Thus, serial numbering and space-saving storage is possible.

For histochemical and immunohistochemical studies it is recommended to store the blocks in PE bags at +4°C or longer at -20°C



## Source of Information

Heraeus Kulzer, 2014