A high quality resin produced in small batches to act as an exact equivalent to the Epon 812, but produced to a higher specification with a weight per epoxide of 148-150. It is a reliable, popular resin suitable for EM and giving very good results in LM but still has quite a high viscosity. Whilst this is acceptable for EM it can restrict specimen size for LM.

Contents:
- 5 x 100g TAAB 812 resin
- 3 x 100g DDSA EM
- 3 x 100g MNA
- 1 x 50g DMP-30

Technovit Kits
Produced by Heraeus Kulzer in Germany, a range of embedding systems for the preparation of biological and material samples.

Technovit Biological Resins
TAAB is the exclusive UK distributor for Technovit resins

Technovit 7100
For Morphology and Enzyme Histochemistry.
A specially formulated 3 component Glycol Methacrylate, developed to provide excellent structural detail and histochemistry without changing processing routines from wax histology.

T218
Consists: set to make 500ml of embedding mixture

Technovit 8100
For Morphology and Immunocytochemistry.
Retains all the benefits of Technovit 7100 with an almost odourless plasticiser and low polymerisation temperature (can be polymerised at sub zero temperatures). Achieves excellent results with immunoreactive tissues especially when used with Histoform Teflon embedding moulds.

T220
Consists: set to make 500ml of embedding mixture

Technovit 9100
For Dense and Mineralised Tissue.
An easy-to-handle Methyl Methacrylate 3 component kit giving short processing times and low polymerisation temperatures. Excellent preservation of morphology. Supports tinctorial and enzymatic stains if the resin is removed from the section with the solvent 2-Methoxyethanol. Can also be used for the preparation of thick sections of specimens by sawing and grinding.

Can be used stabilised or unstabilised depending on level immuno sensitivity required. Removal of stabiliser is undertaken using aluminium oxide in a chromatography column.

T223
Consists: set to make 1000ml of embedding mixture
Technovit Material Science Resins

**Technovit 4000**

A fast curing 3 Component polyester based white resin for gap-free embedding of difficult samples. Abrasion resistant and giving good marginal definition. Remains mobile for approximately 4 minutes after mixing and cures in 7-8 minutes. Low shrinkage (0.1 to 0.2%) means etching and cleansing agents cannot penetrate between specimen and resin. Insoluble.

Available in three kit sizes

- **T229**
  - Set to make 240ml of embedding mixture

- **T230**
  - Set to make 1500ml of embedding mixture

- **T231**
  - Set to make 3000ml of embedding mixture

**Technovit 4004**

A cold curing 2 Component (powder/liquid pack) methacrylate based resin which can be cured at room temperature and under pressure at 2 bar for crystal clear embedding. Suitable for specimens which require transparent low temperature embedding. Remains mobile for 3 minutes after mixing and cures in 4-6 minutes.

- **T233**
  - 100g/80ml to make 180ml of embedding mixture

**Technovit 4071**

For specimens where simple handling and speed of embedding are important and which cannot be exposed to high temperature. After mixing the 2 component resin remains mobile for approximately 2 minutes allowing dispersion into all crevices. Curing takes 3-5 minutes depending on mixing ratio and ambient temperature.

- **T238**
  - Set to make up to 180g of embedding mixture

**Technovit 5071**

With the same characteristics as Technovit 4071 but can be dissolved in organic solvents such as trichloroethylene, acetone and dichloroethane.

- **T246**
  - Set to make 180g of embedding mixture

  Kit no longer available. Buy components T247/T248 & T249/T250 listed in Embedding Chemicals Section

**Technovit 5000**

A conducting mounting medium with the same characteristics as Technovit 4071. A copper filled electrically conducting 2 component (160g/80ml) resin.

- **T343**
  - Consists: set to make 240g of embedding mixture

**Technovit 2000LC**

The Technovit 2000 LC system consists of a light-curing embedding resin, a covering varnish, a fixing paste, the Technotray CU light curing device and the special embedding moulds. These components are designed to function together.

Technovit 2000 LC is a very tight-fitting embedding agent and has been specifically developed for testing and preparing sensitive materials and micro-components. Technovit 2000 LC is mainly used for semiconductor technology, microelectronics, medical technology, optoelectronics and microsystems technology. It is also suitable for embedding materials that are very temperature-sensitive.

- **T251**
  - Set to make 1 litre of embedding mixture

- **T400**
  - Technotray Blue Light Unit

- **T251/P**
  - Fixing Paste

- **T251/V**
  - 2000LC Varnish

- **T251/M15**
  - Embedding mould 15mm Ø

- **T251/M30**
  - Embedding mould 30mm Ø

- **T251/M40**
  - Embedding mould 40mm Ø

- **T251/M50**
  - Embedding mould 50mm Ø

Please ask for Data Sheet

**Technovit Epox**

A Premium embedding medium for Porous Materials ensuring gap free embedding with low shrinkage, high transparency, strong adhesion and UV stability.

A two component epoxy based kit. Regular or fast embedding can be selected with choice of hardener. An ideal choice where porous metallurgical samples may need to be embedded under vacuum.

- **T277**
  - Epox resin

  1Kg

- **T278**
  - Epox Hardener Regular

  500g

- **T279**
  - Epox Hardener Fast

  500g

**Technovit Provil Novo Silicone**

A soft and light surface impression silicone – easy to use and safe. Particularly suitable for casting complex geometric shapes or overhead castings. Can be removed without leaving a residue.

- **T554**
  - Provil Novo Putty regular (3 part)

- **T555**
  - Provil Novo Putty Soft (3 part)

- **T556**
  - Provil Novo Regular Light

Please ask for Data Sheet