

SOLVENTS**Acetone**

EM grade suitable for dehydration and the cleaning of microscope parts. A solvent for critical point drying.

M.W. 58.08 CH_3COCH_3 Boiling point : 56.2°C

A018 500ml

Acetonitrile

(Methyl cyanide). M.W. 41.05 CH_3CN Boiling point : 80-81°C

A non-carcinogenic substitute for ethanol and propylene oxide in TEM tissue dehydration. Does not interfere with epoxy polymerisation and permits shorter dehydration times.

A029 500ml

n, Amyl Acetate

A solvent for critical point drying and also a solvent for Collodion.

M.W. 130.19 $\text{CH}_3\text{COOC}_5\text{H}_{11}$ Boiling point : 142°C

A019 500ml

Chloroform EM

(Trichloromethane), M.W. 119.38 CHCl_3 Boiling point : 61°C

C007 500g

2,2-Dimethoxypropane

(Acetone dimethyl acetal). M.W. 104.15 $(\text{CH}_3)_2\text{C}(\text{OCH}_3)_2$
Boiling point : 79-81°C

A rapid dehydration agent.

J.Histochem, Cytochem., 25, 247 (1977)

Stain Technology, 54, 29 (1979)

D030 500ml

SOLVENTS - continued**Dimethylsulphoxide**(Methyl sulphoxide).(DMSO) M.W. 78.13
(CH₃)₂SO

Protects fine structure of frozen sections cut in the cryostat.

Zagury et al. J.Histochem., 16, 40 (1968)

D018 500ml**Dioxane EM**(Diethylene oxide). M.W. 88.11 C₄H₈O₂**D019 500ml****D020 100ml****Ethanol, absolute****Duty paid**C₂H₅OH M.W. 46.07 Assay>99.8%. Water<0.2%**E022 500ml****E047 2.5Ltr.****E048 1Ltr.****Ethanol, denatured**C₂H₅OH M.W. 46.07 Assay>99.8%. Water<0.2%**E203 500ml****Ethylene Dichloride EM**(1,2-Dichloroethane). M.W. 98.96 Boiling P: 82-84°C
Stabilised with alumina. Solvent for formvar.**E013 500ml****Ethylene Glycol**

(1,2-Ethanediol Glycol). M.W. 62.07

E023 500ml**Freon 113**

(1,1,2-Trichlorotrifluoroethane). B.P. 117.6°C

F012 500ml**F012/1 1ltr****Glycerol**

M.W. 92.10

G041 250ml**Hexamethyldisilazane**(HMDS) M.W. 161.40 C₆H₁₉Nsi As an alternative to critical point drying for biological specimens. Hexamethyldisilazane has reported advantaged of speed, preservation of surface detail as well as reduced thermal and pressure stresses. HMDS may also reduce the extraction of cellular components compared with CPD.

HMDS can be used to dry specimens on polycarbonate filters e.g. bacteria.

Gives fast, less damaging preparation of soft insect tissue for SEM.

Stain Tech., 58(6), 347 (1983)

H028 500ml**Industrial Methylated Spirits 74OP**

IMS 95% for dehydration and clearing is now available through TAAB in the following sizes:

**I013 IMS 2.5 litres****I014 IMS 5 litres****Inhibisol****No longer available. Please contact us for possible replacement.****D054 5ltr.****D075 1ltr.****D074 500ml****Solvent CNP30****No longer available.****C024 5ltr.****C023 1ltr.****C022 500ml**

(Inhibisol and CNP30 are registered trade marks of Bestobell Paints & Chemicals)

Methanol(Methyl alcohol). CH₃OH M.W. 32.04 Purity> 99.8% free of acetone**M023 1ltr.**

SOLVENTS contin-**Methylene Chloride**

(Dichloromethane). M.W. 84.93 CH_2Cl_2 Purity > 98%
Solvent for epoxy and polyester resin. Removes cured
or uncured resin easily.

M020 1ltr.

Methyl Ethyl Ketone

(2-Butanone) $\text{CH}_3\text{COCH}_2\text{CH}_3$ M.W. 72.11 Assay >
98%



M028 500ml

**MountingClear Clearing Agent
Xylene Substitute**

The use of xylene in the clearing process of histologi-
cal mounting is recognised as a hazard that should be
avoided. This can be achieved by using **Mounting-
Clear** as the intermediate reagent between alcohol
and the mounting medium. **MountingClear** is a fast
evaporating non-hazardous isoalkane containing sol-
vent which allows the use of regular mounting media.

M027 2.5 ltr.

Iso-Pentane

(Methylbutane). M.W. 72.15

I010 500ml

Iso-Propanol

(Isopropyl alcohol) (2-Propanol) $\text{CH}_2\text{:CHC}(\text{CH}_3)\text{:CH}_2$
M.W. 60.10

I012 1Ltr

Propylene Oxide

See Page 22.16

TAAB Resolve

An active solvent for polymerised resins.

R010 50ml

TAAB Resin Solvent

A solvent for unpolymerised or partially polymerised
resins and their components. Clean the glassware
etc. with Resin Solvent and then wash with water.
The solvent is water miscible.

R011 2.5ltr.
R011/1 500ml

Toluene

$\text{C}_6\text{H}_5\text{CH}_3$ M.W. 92.14



T252 1Ltr.

UltraClear Xylene Substitute

UltraClear is a direct replacement for xylene in **Histo-
logical processing** and is human and environment
friendly. It is a purified and balanced Isoparaffin mix-
ture especially formulated to **replace xylene**,
Toluene and **Limonene**. It may be used as an inter-
mediate between alcohols and paraffin during tissue
embedding.

Non Toxic • Odourless • Non Flammable • Non Car-
cinogenic • Dermatologically inert

M024 1ltr.
M025 10 ltr.
M026 200 ltr.

Xylene

A substitute for propylene oxide as an intermediate
liquid.

A.M.Glauert (1974) Practical methods in EM Vol.3
(North Holland) p.113



X001 500ml
X002 5ltr.

Cryoprotectants**Dextran C**

M.W. 60,000-80,000

D007 25g

Hydroxyethyl Starch

H026 250g

Polyvinyl Pyrrolidone

P016 100g