



# Application Note

## Leica EM AMW – Epoxy resin embedding of *Arabidopsis*

Courtesy of:

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## Epoxy resin embedding of Arabidopsis

### Ultrastructural analysis

#### Epoxy resin embedding of Arabidopsis

(Y. Schwab, IGBMC Illkirch, France and Z. Ayatollahi, Max F. Perutz Labs, Vienna, Austria)

#### i. Materials and reagents

Vacuum pump

Cellulose capillary tubes (from Leica microsystemes)

10 µl pipetman and tips

Phosphate buffer pH 7.4

Fixative: 2.5% glutaraldehyde in PB

Osmium tetroxyde 1% in PB

Uranyl acetate 1% in d-water

Epoxy resin, for infiltration and embedding (18% araldite M; 23% epon812; 55% DDSA; 4% DMP30)

Acetone

#### ii. Fixation protocol

Leaf samples were fixed in 2.5% GA in phosphate buffer pH 7.4, partial vacuum applied to degas, then kept 1h at RT or further overnight at +4°C.

Fixative washed out with PB.

#### iii. AMW programs

*Same as for fly embryos*

iv. Pictures



