

# Sample embbeding with epoxy resin

Debora Ferreira Barreto-Vieira, Fernanda Cunha Jácome, Marcos Alexandre Nunes da Silva, Gabriela Cardoso Caldas, Elen Mello de Souza, Audrien Alves Andrade, Ortrud Monika Barth.

## **Abstract**

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#### **Protocol**

#### Step 1.

Wash previously fixed cells in sodium cacodylate buffer 0,2M in saccharose 7% for 5 minutes (3 times).

### Step 2.

Postfix cells in osmium tetroxide 1% for 30 minutes.

## Step 3.

Wash cells in sodium cacodylate buffer 0,2M in saccharose 7% for 5 minutes (1 time) and in distilled water for 10 minutes (2 times).

## Step 4.

Dehydrate cells by immersing the material in graduated solutions of acetone as follows: acetone 15%, 30% and 50% (10 minutes each), acetone 70% in uranyl acetate 1% (30 minutes), acetone 90% (5 minutes) and acetone 100% in copper sulfate (2 times for 10 minutes).

#### Step 5.

Infiltrate cells by immersing the material in epoxi resin at a 1:3 ratio of acetone P.A. for 30 minutes and at 3:1 ratio of acetone P.A overnight.

#### Step 6.

Embed cells by adding epoxi resin to the eppendorfs containing the cells. Polymerization occurs at 60°C during three days.