

SEM fixation protocol

Fixation: 4 hours on ice or in fridge

2.0 % paraformaldehyde and 2.5% glutaraldehyde (both E.M. grade) in
0.1 M Na-Cacodylate buffer, pH 7.4

Buffer Rinse: 10 min on shaker table

0.1 M Na-Cacodylate buffer, pH 7.4

PostFixation: 90 min, dark, in fume hood

1.0% aqueous osmium tetroxide in 0.1 M Na-Cacodylate buffer, pH 7.4

Buffer Rinse: 10 min on shaker table

0.1 M Na-Cacodylate buffer, pH 7.4]

Dehydration: on shaker table

37% ethanol, 10 min

67% ethanol, 10 min

95% ethanol, 10 min

100% ethanol, 3 x 10 min

Critical Point Drying:

Bring samples to the critical point dryer in 100% ethanol.