

Technical Tip

Low Viscosity Kit Formation with ERL 4221

As many of our valued customers know ERL4206 has been replaced by ERL 4221. Although they should work exactly the same as each other we have found the following recommendations help to obtain much higher quality results. Please feel free to contact us regarding these tips or any of the tips in our catalog

Mixing Directions :

ERL 4221 18ml DER 736 14ml NSA 48 ml DMAE 0.6ml

For Biopsies from Kidney, Liver, GI, Esophagus

Dehydration:

50%, 70%, 95% ETOH for 20-30 minutes each change

2 x 100% ETOH for 30 minutes

Infiltration:*

1 part Spurr to 2 parts ETOH for 3 hours

1 TO 1 overnight/over weekend

3 to 1 (Spurr to ETOH) 3 hours

100% Spurr 6-8 hours

Polymerization:

Then Polymerize overnight (12 hour Max) at 70-80 Degrees C

*All infiltration Procedures shall be run on a Rotator.

For Biopsies from Muscle, Nerve or Skin

Dehydration:

50%, 70%, 95% ETOH for 20-30 minutes each change

2 x 100% ETOH for 30 minutes

Infiltration:* (Spurr/ETOH 100%)

1 part Spurr to 2 parts ETOH 24 hours (over weekend)

1 TO 1 24 hours (over weekend)

3 to 1 (Spurr to ETOH) 24 Hours

100% Spurr 24 Hours

Polymerization:

Then Polymerize overnight (12 hour Max) at 70-80 Degrees C

*All infiltration Procedures shall be run on a Rotator.