

**NORTHWESTERN UNIVERSITY
TRANSMISSION ELECTRON MICROSCOPY SPECIMEN PROCESSING**

Name: _____ PI: _____ Date: _____ Time: _____
 NetID: _____ Phone: _____ E-Mail: _____
 CHART STRING or PO#: _____

Specimen Description: _____
 Specimen: Cells Tissues Fixation: Immersion Perfusion Number of Samples: _____
 Fixative: Glutaraldehyde(%) _____ Paraformaldehyde (%) _____
 Buffer & Composition _____
 Structure of Interest: _____

SPECIMEN LIST

Specimen ID	Other Remarks

PROCEDURE	DATE	COMPLETION TIME	REMARKS
Fixation (1 h -O/N)			
Buffer Rinse (10 min)			
Buffer Rinse (10 min)			
Buffer Rinse (10 min)			
OsO4 (1-2 h)			
dH2O rinse (10 min)			
dH2O rinse (10 min)			
dH2O rinse (10 min)			

PROCEDURE	DATE	COMPLETION TIME	REMARKS
Uranyl acetate stain 1hr			
dH2O rinse (10 min)			
dH2O rinse (10 min)			
dH2O rinse (10 min)			
50% EtOH (10-20 min)			
50% EtOH (10-20 min)			
70% EtOH (10-20 min)			
70% EtOH (10-20 min)			
80% EtOH (10-20 min)			
80% EtOH (10-20 min)			
90% EtOH (10-20 min)			
90% EtOH (10-20 min)			
100% EtOH (10-20 min)			
100% EtOH (10-20 min)			
100% EtOH (10-20 min)			
Propylene oxide (10-15')			
Propylene oxide (10-15')			
Propylene oxide (10-15')			
Resin/Propylene Oxide (1:1) (1h-O/N)			
Embedding Resin (1-2 h)			
Embedding Resin (1-2 h)			
Resin curing (60°C, O/N)			