

**Supplies needed for Worm b-gal lab**  
**By Lynn Boyd**  
**at University of Alabama in Huntsville**

**Coated slides**

**Coverslips (must be glass)**

**Dry ice or liquid nitrogen**

**Micropipettors (1 ml and 20ml)**

**Blue and yellow tips**

**Worm plates & worms**

**Microfuge tubes (1.5 ml)**

**Coplin jars (8)**

**Methanol –put in 4 coplin jars, -20°**

**Acetone –put in 4 coplin jars, -20°**

**Ice buckets (4)**

**Forceps (8)**

**Long forceps (2-4)**

**Goggles**

**Nail Polish**

**Razors**

**Pencils**

**Redox Buffer:**

**100 mM potassium ferricyanide**

**100 mM potassium ferrocyanide**

**keep stock at -20° C**

**Staining Solution:**

**For 1 ml of staining solution**

**870 ml PBS, ph 7.4 or 8**

**1 ml 1 M MgCl<sub>2</sub>**

**4 ml 1% SDS**

**100 ml 100 mM Redox Buffer**

**15 ml 5 mg/ml Kanamycin**

**8 ml 3% X-Gal in dimethy forma mide**  
**(keep stock at -20° C)**

**add X-gal last them mix quickly**

**staining solution can be kept for 2 days in wrapped foil at 4°C.**

**To be ordered:**

**Coated slides (LabScientific #7799)**

**Acetone**

**Potassium ferricyanide**

**Potassium ferrocyanide**

**X-gal**

**Nail polish**