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## **Protocol: 10X DNA Loading Dye**

### **Application:**

Making stock solution of 10x DNA loading dye for agarose gel electrophoresis.

### **Procedure for Bromophenol Blue:**

1. Mix: 3.9 mL Glycerol  
0.5 mL 10% SDS  
0.2 mL 0.5M EDTA  
25 mg Bromophenol Blue (BB) } 10 mg of Orange G substituted instead  
25 mg Xylene Cyanol (XC) } (depending on nucleic acid band size)
2. Bring mixture to 10 mL with MilliQ H<sub>2</sub>O.
3. Aliquot 1 mL solution per 1.5 mL tube and store at -20 °C.