

Preparation of 5X orange G loading dye and 1-kb ladder

5X Orange G Loading Dye

0.01 g Orange G Dye

3.0 mL 50% Glycerol

0.6 mL 0.5 M EDTA pH 8.0

1.4 mL H₂O

Vortex until dye is completely dissolved, then dispense 1-mL aliquots into 5 eppi tubes and store at -20°C

1-kb ladder

Add 50 μ L of 1-kb Plus Ladder (Invitrogen) to 1 mL of 1X Orange G Loading Dye