

Schwer Lab

DNA loading buffers:

4× Library loading buffer [50 mM Tris-Cl, 40 mM EDTA, 40% (w/v) sucrose, 0.33 % (w/v) Orange G orange]

2.5 mL	1 M Tris-Cl, pH 8.0
4 mL	0.5 M EDTA pH 8.0
20 g	sucrose
0.167 g	Orange G

MilliQ water to 50 mL. Filter through 0.45- μ m syringe filter and store in aliquots at 4°C.

6X Orange G/glycerol loading buffer

0.25 g	Orange G
30 mL	glycerol
6 mL	0.5 M EDTA (pH 8.0)
0.5 mL	1 M Tris pH 8.0

MilliQ water to 50 mL. Store at 4°C.

6× Bromophenol/xylene cyanol DNA loading buffer [10 mM Tris-Cl, 0.03% bromophenol blue, 0.03% xylene cyanol FF, 60% glycerol, 60 mM EDTA]

0.5 mL	1 M Tris-Cl, pH 8.0
0.015 g	bromophenol blue
0.015 g	xylene cyanol FF
30 mL	glycerol
6 mL	0.5 M EDTA (pH 8.0)

MilliQ water to 50 mL. Store at 4°C.