

COMMONLY USED GEL-LOADING BUFFERS

Loading buffers are solutions of high density that enable samples to be introduced easily into gel slots. They also contain one or more tracking dyes that allow the progress of the electrophoresis to be monitored easily.

Type I

6× buffer

0.25% bromophenol blue
0.25% xylene cyanol
40% (w/v) sucrose in H₂O

Store at 4°C.

Type II

10× buffer

0.25% bromophenol blue
0.25% xylene cyanol
25% Ficoll (type 400) in H₂O

Store at room temperature.

Type III

6× buffer

0.25% bromophenol blue
0.25% xylene cyanol
30% glycerol in H₂O

Store at 4°C.

Type IV

6× buffer

0.25% bromophenol blue
40% (w/v) sucrose in H₂O

Store at 4°C.