



2 x RNA Loading Buffer

Cat. No.	Size
E0259-01	1 ml

RNA Loading Buffer is used as a tracking dye during RNA electrophoresis. The RNA loading dye has a slight negative charge and will migrate the same direction as RNA, allowing the user to monitor the progress of molecules moving through the gel. The rate of migration varies with gel composition. RNA Loading Buffer contains the denaturing agent formamide and urea, which allows RNA fragments to separate according to size even during non-denaturing electrophoresis.

Buffer Composition (1x):

89 mM Tris-HCl, 89 mM boric acid, 2 mM EDTA (pH 8.0), 1.3 M urea, 33% formamide, 0.005% bromophenol blue, 0.01% xylene cyanol FF.

Storage conditions:

Store at 4°C for up to 1 month.
For longer periods, store at -20°C.

Reccomended use:

1. Dilute sample 1:1 with RNA Loading Buffer.
2. Heat the mixture at 70°C for 10 min.
3. Chill on ice and spin down before loading.