



## 2 x RNA Loading Buffer PLUS

Cat. No.	Size
E0258-01	1 ml

### Storage conditions:

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

RNA Loading Buffer PLUS is used as a tracking dye during RNA electrophoresis. It also contains intercalating dye Ethidium bromide for post-electrophoresis visualisation. 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 PLUS 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, 0.005% ethidium bromide.

### Reccomended use:

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