

Northern Solutions

DEPC Water

Add 100ul DEPC per 100ml of water
Incubate at 37C O/N
Autoclave at least 25 minutes to destroy DEPC

10X FA Gel Buffer

20.95gm MOPS (free acid)
3.4gm Na-Acetate:3H₂O (or 2.05gm of anhydrous Na-Acetate)
10ml 0.5M EDTA pH8.0
Add 400ml ddH₂O water
pH to 7.0 with NaOH
Bring up to 500ml with ddH₂O
Add 500ul DEPC and let sit O/N
Autoclave at least 25min

FA Gel Running Buffer

100ml 10X FA Gel Buffer
20ml 37% (12.3M) Formaldehyde
880ml DEPC water

RNA Sample Buffer

2ml 10X FA Gel Buffer
10ml Formamide
3.5ml Formaldehyde
4.5ml DEPC water
Store in cold room covered

Stop Dye

0.025gm Bromophenol Blue
5ml 100% Glycerol
0.080ml 0.5M EDTA pH 8.0
4.920ml DEPC water
Store in cold room covered

RNA Loading Buffer

Add 20ul of a 4mg/ml stock soln of EtBr to 970ul of stop dye
Mix well and store covered in cold room

10% SDS

10gm SDS
Bring up to 100ml with DEPC water
Autoclave optional

20X SSC

210.4gm NaCl
105.8gm NaCitrate
ddH₂O water to about 1.1 Liters
Adjust pH to 7.0
Bring up to 1.2L with ddH₂O
Aliquot into three 400ml bottles
Add 400ul DEPC and let sit O/N
Autoclave at least 25min

0.05M NaOH

1gm NaOH Pellets
500ml DEPC water

Low Stringency Wash Solution (2XSSC, 0.1%SDS)

5ml 10%SDS
50ml 20XSSC
Bring up to 500ml with DEPC water

High Stringency Wash Solution (0.1SSC, 0.1%SDS)

5ml 10%SDS
2.5ml 20XSSC
Bring up to 500ml with DEPC water