

# Ethidiumbromide-free RNA sample preparation for agarose gels

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## Abstract

**Citation:** Dennis Dienst Ethidiumbromide-free RNA sample preparation for agarose gels . **protocols.io**

[dx.doi.org/10.17504/protocols.io.j3xcqpn](https://dx.doi.org/10.17504/protocols.io.j3xcqpn)

**Published:** 27 Sep 2017

## Protocol

### Step 1.

2 x RNA loading dye (w/o fluorescent stain)

- 95% (v/v) formamide (deionized)
- 0.025% (v/v) SDS
- 0.5 mM EDTA
- 0.1 % (w/v) xylencyanole
- 0.1 % (w/v) bromphenol blue

### Step 2.

Mix RNA sample with Midori Green Premix and 2 x loading dye:

- add 5 µl RNA (= x µg)
- add 2 µl Midori Green Mix
- add 7 µl 2 x loading dye

### Step 3.

Denature RNA:

- incubate samples at 95 C for 5 min
- cool samples on ice for 1 min
- spin down samples at 13,000 g for 15 sec
- load samples to gel

## Warnings

wear safety gear and gloves