

GEL RED

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Use of Gel Red with Loading Dye for gel electrophoresis.

It is easier and less expensive to add the gel red dye to the sample than it is to add it to the gel.

The gel red can be added to loading dye and used as follows.

Mix

1 μ l of GelRed

500 μ l of 5X Loading Buffer

Store at RT.

Use 1 μ l of this solution per 4 μ l of DNA sample you need to load in the gel; mix together in a tube or on a piece of paraffin film.

Gel Marker (DNA Ladder) and Gel Red

Add 1.0 μ l gel red to a new vial of Hyperladder I or Hyperladder IV (this can be stored at 4C)

Load 3 μ l of this marker on to the gel.

Gel Red use with PCR products which already have loading dye in the mastermix.

Dilute the stock Gel Red 1:100
(It will look orange)

Then use 0.5 μ l of this per 5 μ l of sample to be loaded.

The diluted Gel Red will not store well so make this fresh each time it is needed.