

# bluegel™ Tabs

Cat. No	Pack Size
RG-1500-03	10 pcs

**Lot No:** Ba20180821

**Exp. Date:** 09.2021

## Storage:

Store at RT, shipping at room temperature.

## Applications:

- Ideal for routine DNA and RNA gel electrophoresis and blotting assays
- Convenient tablet format—no messy weighing required
- Fast dissolving protocol

## Specification:

Melting point:  $88 \pm 1,5$  °C

Separation range: 100 bp to >30 kb

Product size: 10 tablets (0.5 g each)

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## Description:

blueGel™ Tabs contain a pre-determined amount of standard melting point agarose, eliminating the need to weigh out loose agarose powder.

blueGel™ Tabs are packed in a convenient blister pack.

The purity of the agarose leads to an excellent transparency and a low background. This is especially important to obtain sharp and well-defined DNA and/or RNA bands with the highest sensitivity in the low molecular weight range.

The high quality of agarose allows the good detection of small DNA bands size below 100 bp.

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## Protocol:

- Soak the tablet in 1X TBE buffer for 1-3 minutes (or until it is dissolved) in a container with at least 250 ml capacity. Swirl until dissolved.
- Add an appropriate number of **blueGel™ Tabs** in the 1 x TBE running buffer. See the table below to achieve needed gel percentage.

Gel %	1 tab	2 tabs
1.0%	50 ml (3 blueGel gels)	100 ml (5-6 blueGel gels)
1.5%	37.5 ml (2 blueGel gels)	75 ml (4-5 blueGel gels)
2.0%	25 ml (1 blueGel gel)	50 ml (2-3 blueGel gels)

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# bluegel™ Tabs

- Heat the solution until it is clear and all particles are dissolved (typically 30-40 seconds per gel in a high-power microwave).
- Cool the gel to 60-70°C
- Add DNA stain (e.g. 2.5 ul of Gel Green® per 25 ml of gel solution). Swirl to mix.
- Cast the gel into the gel tray.
- Run the gel in 1X TBE buffer

## Safety:

Caution when using hot, viscous solutions!  
Use suitable safety gear.

## Ampliyus

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