

User Manual

Version 1.1

Product name: 200x Blue stain

Cat #: PGBS-100, PGBS-200, PGBS-300

Description:

Nontoxic solution for the staining of nucleic acids in agarose gels.

Staining:

Dilute 200x Blue Stain buffer 1:200 into 50 ml deionized water to make the staining solution for each gel. Immerse the gel and agitate gently for 5-15 minutes. Remove the staining solution and save for later usage (the solution is reusable for up to 3-6 months).

Destain the gels with successive changes of deionized water until the background is reduced sufficiently to see the bands (agarose gels may be destained overnight with no loss of sharpness and minimal loss in staining intensity).

Visualization:

Blue Stain DNA gel can be visualized in visible light, there is no need for UV excitation.

Disposal:

Blue Stain shows no mutagenic activity, and is not classified as hazardous waste under U.S. Federal regulations. The stain itself could be directly disposed into waste water systems, and the precast gel can be appropriately disposed as regular waste.

1 kb ladder, 10 μ l
 1 μ g/ μ l plasmid, 10 μ l
 500 ng/ μ l plasmid, 10 μ l
 200 ng/ μ l plasmid, 10 μ l
 100 ng/ μ l plasmid, 10 μ l
 10 ng/ μ l plasmid, 10 μ l

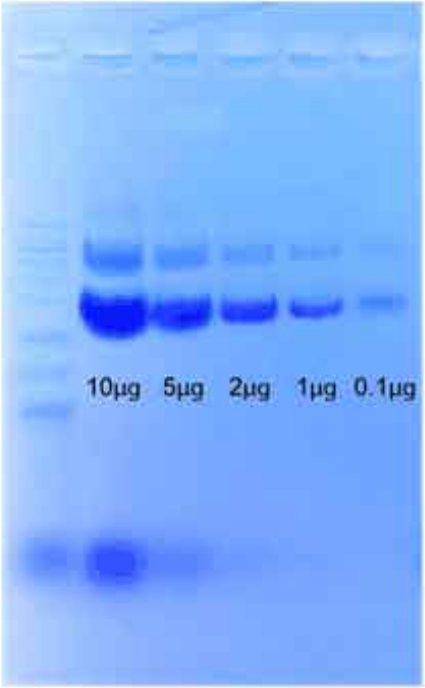


Figure 1

1 μ l 10 μ l 20 μ l 50 μ l
 ~0.1 μ g 1 μ g 2 μ g 5 μ g

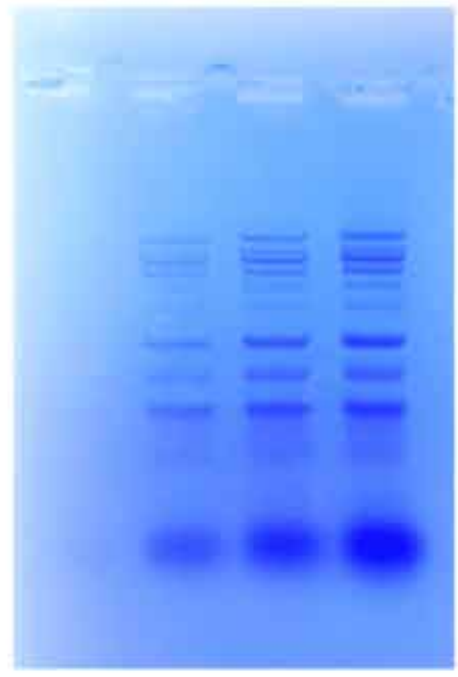


Figure 2. 1kb ladder with blue stain