Product Information

Inova D-gel solution (4x)

Catalog Number: DG-001 **Stored at room temperature**

Description:

Inova D-gel solution provides a new gel metric for analyzing the sizes of protein, nucleic acid (DNA/RNA/oligo) contains acrylamide and agarose in liquid phase.

- Very clear background
- easy handle and gel making.

Protocol-I. using LB-001 loading buffer:

1. Prepare the hot 30 ml of 1xTAE, TBE or Borate Buffer (>70oC) without Ethidium Bromide in a glass flask.
2. Add 10 ml of the D-gel solution into the glass flask, gentle shaking to complete dissolve the D-gel solution and pour into a gel tray. After the agarose gel is solidified, then perform electrophoresis.
3. Add 1-2 µl of the 6X fluo- DNA/RNA loading buffer (LB-001/LB-201) to 5-10 µl DNA/RNA samples. Mix thoroughly.
4. Load DNA/RNA samples and run the gel using your standard protocol.
5. View DNA/RNA bands using a blue/UV light transilluminator during or after electrophoresis.
6. Images can be taken using a blue light transilluminator or a UV transilluminator.

Protocol-II. using GS-001 gel staining solution:

1. Prepare the hot 30 ml of 1xTAE, TBE or Borate Buffer (>70oC) without Ethidium Bromide in a glass flask.
2. Add 10 ml of the D-gel solution and 2 ul of 30,000x Fluo-DNA/RNA gel staining solution (GS-001) into the glass flask, gentle shaking to complete dissolve the D-gel solution and pour into a gel tray. After the agarose gel has solidified you can perform electrophoresis.
3. Load DNA/RNA samples and run the gel using your standard protocol.
4. View DNA/RNA bands using a blue/UV light transilluminator during or after electrophoresis.
5. Images can be taken using a blue light transilluminator or a UV transilluminator.