GB Low EEO agarose 1kg	**Cat .No: GB2450**	**Size : 1 Kg**
GB Low EEO agarose 10 kg	**Cat .No: GB2451**	**Size : 10 Kg**

For Research use only

General Protocol :

Materials:

Agarose powder
1x TAE or TBE buffer
Microwave or hot plate
Gel casting tray and comb
Electrophoresis apparatus
DNA samples and loading dye
Ethidium bromide or another DNA stain (optional)
UV transilluminator (for visualization)

Procedure:

Prepare the Gel:
Measure the desired amount of agarose powder (e.g., 1 g for a 1% gel in 100 mL buffer).
Mix the agarose powder with 100 mL of 1x TAE or TBE buffer in a heat-resistant flask.
Heat the mixture in a microwave or on a hot plate until the agarose is completely dissolved (usually 1-3 minutes). Be careful not to overboil.

Pour the Gel:
Allow the agarose solution to cool to about 50°C (comfortable to touch).
Pour the solution into the gel casting tray with the comb in place to form wells.
Let the gel solidify at room temperature (about 20-30 minutes).

Load the Samples:
Once the gel has solidified, place it in the electrophoresis tank and cover it with 1x TAE or TBE buffer. Remove the comb carefully to create wells. Mix DNA samples with loading dye and carefully load them into the wells.

Run the Gel:
Connect the electrophoresis apparatus to a power supply and run the gel at 80-120 volts until the dye has migrated an appropriate distance (usually 30-60 minutes).

Visualize the DNA:
Stain the gel with ethidium bromide or another DNA stain if not already included in the gel. Visualize the DNA bands under a UV transilluminator.
This protocol provides a general guideline. Specific details may vary depending on the exact requirements of your experiment

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