

6×DNA Loading Buffer (Bromophenol Blue and Xylene Cyanol FF)

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Storage: -20°C. Avoid freeze/thaw cycle.

Introduction:

The 6 × DNA loading buffer contains two tracer dyes, bromophenol blue and xylene blue FF. In 1% agarose gel electrophoresis, bromophenol blue could migrate with~ 300bp fragment, and xylene green FF could migrate with~ 4000bp fragment.

Precautions:

1. During the electrophoresis process, if the color of the dye is found to be too light, it will affect the observation results. One 6 × DNA loading buffer can be added to 2-5 DNA samples, mixed well, and subjected to electrophoresis without affecting the results.
2. For your own safety, please take protective measures such as wearing lab coats and gloves before using the reagents.

Instructions for Use:

1. Melt the 6 × DNA loading buffer at 37°C;
2. Gently swirl to ensure even mixing of the solution;
3. Add 1 portion of 6 × DNA loading buffer to 5 portions of DNA samples;
4. Mix thoroughly;
5. Perform electrophoresis after sample loading.