6x HydraGreen™ Safe Loading Buffer

Product contents:
P/N: ACT-IDMG05
1x1ml or 1x20ul (Sample), **1ml 6x Loading Buffer sufficient for 500-1000 sample loadings**

Introduction:

6x HydraGreen™ Safe Loading Buffer is a non-carcinogenic safe gel loading buffer containing density agents, tracking dyes, and HydraGreen™ Safe DNA Dye. The 6X loading buffer is added to samples in place of gel loading buffer, and eliminates the need to add DNA dye to the agarose gel during casting or staining buffer after gel running.

HydraGreen™ Safe DNA Dye (included in 6x HydraGreen™ Safe Loading Buffer) has fluorescence excitation maxima at 295 nm and 490 nm. The fluorescence emission maxima is similar to EtBr when bound to DNA – at 530 nm.

Protocol:
Note: It is highly recommended agarose gel to be ≤0.5cm in thickness. TAE buffer system is preferred for higher sensitivity.

Prepare agarose gel according to standard protocol. Do NOT add any dye to the agarose or buffer.

Mix 6x HydraGreen™ Safe Loading Buffer in a **1:5 ratio** with your DNA samples . For example, for 10 µl of DNA sample, add 2µl of 6x HydraGreen™ Safe Loading Buffer or for 5 µl of DNA sample, add 1 µl of 6x HydraGreen™ Safe Loading Buffer.

Mix thoroughly before loading.

DETECTION :
Detect bands under UV illumination (yellow or green gelatin- or cellophane filters is recommended for clearer bands) or non-UV LED illuminators such as Blue Light LED illumination.

Shipping and Storage Conditions :

Shipped in RT
Store in 4 ºC (protect from light)

For Research Use.