

HelixChem™ *ShinyStar* gel stain

HelixChem™ *ShinyStar* gel stain (20,000x)

Description

HelixChem™ *ShinyStar* gel stain is a safe nucleic acid stain, an alternative to the traditional ethidium bromide (EtBr) stain for detecting nucleic acid in agarose gels. It emits green fluorescence when bound to DNA or RNA under UV light.

Characteristics

Safe alternative to the EtBr for staining nucleic acids
Non-toxic, non-mutagenic and non-carcinogenic
No hazardous waste

Storage and stability

Store at 4°C and stable for more than 12 month.

HelixChem™ *ShinyStar* gel stain is light sensitive and should be stored in a dark.

Application

Visualization of DNA and RNA bands as they separate during agarose gel electrophoresis.
Isolation of DNA fragments for sub-cloning without introducing mutations normally caused by EtBr.

Consideration before use

HelixChem™ *ShinyStar* gel stain is non-carcinogenic but may cause skin and eye irritations. Please wear gloves when working with the product.



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Protocol

1. Prepare **100 ml of agarose solution** in a flask.
2. Heat and completely melt the agarose in a microwave oven.
3. Add **5 µl of HelixChem™ ShinyStar gel stain** to the agarose solution.
4. Swirl the flask gently to mix the solution and avoid forming bubbles.
5. Pour the agarose solution into a gel tray, and place a comb into position.
6. Cool the solution until solidified.
7. Load samples on the gel and perform electrophoresis.
8. Detect the bands under UV illumination.

Products

Cat. No.	Products	Size
HCSS-M001	HelixChem™ <i>ShinyStar</i> gel stain (500 µl x 2 eas)	1 ml
HCSS-M010	HelixChem™ <i>ShinyStar</i> gel stain (10 ml / bottle)	10 ml