

# SuperStain (10000x in water)

**Cat. No. :** CW2635

**Storage Condition :** Room temperature (15-30°C)

## Components

Component	CW2635S
SuperStain (10,000× in Water)	500 μL

## Product Introduction

SuperStain is a biological macromolecule that cannot penetrate cell membranes into cells. Compared to the strong mutagenicity of EB, it is a safe and non-toxic nucleic acid dye. Since SuperStain and EB have the same spectral characteristics, the observation device can detect the DNA band under normal ultraviolet light without changing the filter. It has the advantages of non-toxicity, high sensitivity and high stability

## **Working concentration**

### **Directly adding to the agarose gel:**

1x superstain, such as adding 5 $\mu$ L to 50 ml

agarose gel mix and pour the gel as usual. Superstain is very stable and can be added before or after agarose heating.

### **Gel staining with superstain solution:**

Prepare 3x superstain by adding 1000x superstain to 0.1 M NaCl. For example, add 15 ml 10000x superstain, 5 ml 1M NaCl and H<sub>2</sub>O to make 45 ml superstain solution. Incubate the agarose gel with enough amount the superstain solution for 30 minutes at room temperature.