

## 6M guanidine isothiocyanate solution

**Cat No.:** G8212

**Package:** 100mL/500mL

**Storage:** RT

**Period of validity:** one year

### Description of products

Guanidine isothiocyanate belongs to uncoupling agent, is a kind of strong protein denaturant, can dissolve protein, the main function is to lysate cells, so that the protein in the cell, nucleic acid material depolymerization to be released, extract RNA and DNA.

As a strong denaturant in the experiment of extracting total RNA from cells. Guanidine hydrochloride solution can dissolve protein, resulting in the destruction of cell structure, the destruction of secondary structure of nuclear protein, and the dissociation from nucleic acid; It can also fully inhibit the ribonuclease activity of cells and entire tissues. Because of its biological destructive properties, buffers containing guanidine hydrochloride or guanidine thiocyanate are often called dissociated buffers.

This product is a ready-to-use 6M guanidine isothiocyanate solution.

### Product Parameter

Product Parameter: Guanidine thiocyanate solution (异硫氰酸胍溶液)

Concentration: 6M

CAS: 593-84-0

Molecular formula: C<sub>2</sub>H<sub>6</sub>N<sub>4</sub>S

Molecular weight: 118.16

Appearance (character) : colorless liquid

### Note

- 1、 If the amount used each time is small, it can be used after appropriate packaging.
- 2、 This product is for scientific research only. Do not use for medicine, clinical diagnosis or treatment, food and cosmetics. Do not store in ordinary residential areas.
- 3、 For your safety and health, please wear a lab coat, disposable gloves and a mask.
- 4、 Inhalation: Inhalation may be harmful. The substance is destructive to tissues, mucous membranes and upper respiratory tract.
- 5、 Ingestion: Ingestion is harmful to human body. Cause burn
- 6、 Skin: May be harmful if absorbed through the skin. Can cause skin burns.
- 7、 eyes: eyes splash into, can cause eye burns.

### Related products

G8210 Guanidinium isothiocyanate

Note: For more information about this product, please refer to Solarbio website.

