

Xpert Safe Protein Stain

#GS23.0500 (500ml)

(FOR RESEARCH ONLY)



Product: Coomassie Brilliant Blue G-250 (CBB) is widely used for visualizing proteins after electrophoresis. The procedure normally involves lengthy fixing, staining, and destaining steps. Moreover, it requires glacial acetic acid and methanol, which must be disposed of as hazardous waste.

Xpert Safe Protein Stain consists of a colloid solution of CBB G-250 that is non-toxic and non-hazardous. The procedure does not require a fixing step and washing can be carried out using water, making in-gel staining both safer and less expensive.

Applications: In-gel staining of proteins.

Quantity: #GS23.0500 contains 500ml of ready-to-use Xpert Safe Protein Stain

Appearance: Blue solution

Storage: Store at room temperature, protected from light, for at least 2 years

Prior to use:

In order to maintain solution colloidal, before every usage, shake Xpert Safe Protein Stain.

Usage:

1. After electrophoresis, place the gel in a suitable container and wash once or twice with deionized water.
2. Discard the water and cover the gel with Xpert Safe Protein Stain (approx. 20ml for a mini-gel)
3. Stain with gentle agitation.
4. Depending on the protein quantity, some bands start to appear immediately. Once all bands are visually strong enough (typically 20-30 minutes), discard Xpert Safe Protein Stain and wash with deionized water until any background staining is removed and protein bands appear more intense.
5. Gel is ready for imaging and analysis and can be stored in water for one or two days without significant decrease of band intensities.