

# Prestained Lyophilized Protein Gel Markers

Catalog #752

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Protein samples are denatured, lyophilized and ready for electrophoresis after rehydrating and heating. There is enough material for twenty (20) experiments (three tubes of sample, each tube contains enough material for at least 7 gels).

## Storage:

Store in freezer with desiccant.

## Reconstitution of Prestained Lyophilized Protein Gel Marker

1. Add 140  $\mu$ l distilled water to the tube containing prestained lyophilized protein gel marker. Vortex or mix for 30 seconds or until completely dissolved.
2. Bring a beaker of water, covered with aluminum foil, to a boil. Remove from heat.
3. Make sure the sample tubes are tightly capped. The bottom of the tubes should be pushed through the foil and immersed in the boiling water for 5 minutes. The tubes should be kept suspended by the foil.
4. The samples should be loaded while they are still warm to avoid aggregation. The volume of sample to load per well is 20  $\mu$ l.
5. Store any unused portion of reconstituted sample at  $-20^{\circ}$  C and repeat steps 2-4 when using samples at a later time.

## Idealized Schematic of Results

The figure to the right is an idealized schematic showing relative positions of the protein bands. Actual results will yield broader bands of varying intensities. The idealized schematic shows the relative positions of the bands, but are not depicted to scale.

Results are based on separation of protein marker on a 12% polyacrylamide gel.

