

**Use:**

Super G Blocking Buffer is a non-protein based reagent designed to block non-specific protein binding on porous nitrocellulose substrates. It has been developed specifically for enhancing multiplexed fluorescent assays, and is supplied as a 1X solution, ready to use for microarray applications.

**Storage:**

Super Blocking and Preservation Buffer should be stored at 4°C once received. It may be stored at that temperature for at least 12 months.

**Blocking Procedure:**

Follow your current method for blocking nitrocellulose film slides, substituting Super G Blocking Buffer for your current blocking reagent. For best results, submerge the slide completely in Super G Blocking Buffer. No agitation is necessary during blocking. The ProPlate™ chamber system is the ideal solution to create chambers over your nitrocellulose pads.

Incubation time varies depending on the experimental conditions and should be determined empirically. Although a 15 minutes incubation may provide sufficient blocking for some applications, others may require at least an hour. Incubating overnight at 4 degrees C usually provides optimal results.

After blocking with Super G, wash slide(s) with 1X PBST (or buffer similar in composition to your assay buffer) for 5 minutes with agitation prior to proceeding with the assay.

Proceed with assay as per protocol.

**Notes:**

For optimal results, slides should not be pre-treated with other reagents before using Super G Blocking Buffer. Blocking should be performed prior to proceeding with the immunoassay.