

StainAll Dye for Immunoblotting

Cat. No. SALL-500 **SIZE:** 500 ml **FORM:** Liquid, Red Dye Soln. formulated in acidic buffered solution

Lot No. 61112 **STORAGE:** Store at room temperature.

Immunoblotting (Western blotting) is a commonly used technique to study proteins using antibodies. This involves electrophoresis followed by transfer of proteins to membranes (nitrocellulose or nylon membranes). Protein transfer is usually monitored by transferring pre-stained (blue or multicolor standards) molecular weight markers. If the markers are transferred to the membranes, it is assumed that rest of the proteins have also transferred in a similar manner. However, very often many proteins samples do not transfer well, move irregular during the run or transfer is not adequate because of air bubbles in the transfer sandwich or some other problems. Ideally, whole membrane should be stained prior to blocking to confirm the transfer of all samples. Unacceptable samples can be eliminated before attempting immunoblotting and avoid erroneous results. ADI has formulated an inexpensive ready-to-use dye solution that is well suited for this purpose. It has the following advantages:

- **Convenient.** Ready-to-use solution. No preparation required. Save time.
- **Rapid.** StainAll stains blot within seconds (30-60 seconds) **immediately after electrophoresis and prior to blocking.** Just rinse your filter with PBS and soak in StainAll. Proteins will stain pink immediately. Discard the dye solution. Filters can be stained for longer periods to increase protein intensity. After visual inspection, the filters can be destained in PBS or simply immersed in blocking buffers. The dye will come off in PBS or blocking buffer.

- **Semi-Quantitative Staining.** Intensity of staining in various protein samples or lanes will give you an idea about total protein load.
- **Reversible.** Water soluble formulation of StainAll washes away in PBS/saline/water. No washing is required and the membranes can be simultaneously destained and blocked in blocking solutions.
- **Stabilizes blotted proteins.** StainAll strengthens proteins binding to solid surface. StainAll will not affect subsequent interaction with antibodies.
- StainAll provides a **Visual guide to cut appropriate lanes** and mark band **positions before blocking.** StainAll will show **air bubbles** (no staining in those places) on filters, if any.
- **Inexpensive.** Economical prices justify its use on every blot.
- **Stable.** Ready-to-use StainAll is stable at room temperature for more than one year.

Important: THIS DYE CAN NOT BE USED AFTER BLOCKING WITH ANY PROTEIN OR MILK SOLUTIONS. IT **MUST BE USED PRIOR TO BLOCKING.** AVOID CONTACT WITH SKIN AS IT CONTAINS DILUTED ACID.

Other Western Blotting Accessories Available from ADI

Anti-Rabbit IgG-HRP conjugates Cat # 20320; 1 ml; \$75 (other species conjugates are also available)

Enhanced NuGlo Chemiluminescence Substrate Kit; Cat # 80215 (400 mls); \$145