

Product Information

Chemiluminescent Peroxidase Substrate

Catalog Number **CPSOC**

Storage Temperature 2–8 °C

Product Description

Chemiluminescent Peroxidase Substrate (CPSOC) is a one-component, ready-to-use product for the detection of horseradish peroxidase. This substrate is a highly sensitive, luminol-based solution that can be used for any blotting applications that utilize horseradish peroxidase (HRP)-conjugates, with minimal background interference.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

This product is ready-to-use, with no preparation necessary.

Storage/Stability

It is recommended to store the product at 2–8 °C. Keep the container tightly closed and keep away from heat and light.

The product is stable for a minimum of 18 months when stored in the dark at 2–8 °C.

Procedure

In order to prevent contamination, do not pipette directly from the CPSOC bottle, or pour used solution back into the substrate bottle. Use clean gloves and forceps; do not use rusted forceps. Analytes can be applied to membranes as a dot blot or by gel transfer. Blotting conditions should be optimized for each assay system.

1. Before use, pour the amount of CPSOC needed into a clean container and equilibrate to room temperature. Each cm² of membrane requires ~100 µl of CPSOC.
2. Place membrane in a clean, dry vessel.
3. Add CPSOC to the vessel to cover the membrane.
4. Incubate at room temperature for 1–10 minutes.
5. Remove excess CPSOC by blotting on filter paper.
6. Cover membrane with clear plastic wrap and visualize with X-ray film or a CCD imaging system.

HDJ,MAM 02/16-1