Amersham **CDP-Star** Detection Reagent

Product Specification Sheet

Introduction

Product code

RPN3682

About

For the chemiluminescent detection of alkaline phosphatase.

Important

Read these instructions carefully before using the products.

Intended use

The products are intended for research use only, and shall not be used in any clinical or *in vitro* procedures for diagnostic purposes.

Safety

For use and handling of the products in a safe way, refer to the Safety Data Sheets.

Storage

Store at 2–8°C. Stable for at least 3 months when stored under the recommended conditions.

Components

CDP-Star™ detection reagent contains CDP-Star (an aqueous solution of <1.5% (w/v) Disodium 2-chloro-5- (4 methoxyspiro [1,2-dioxetane-3,2′-(5′-chloro)-tricyclo [3,3,1,13,7]decan]-4yl) phenyl phosphate), 100 ml, ready to use.

Quality control

CDP-Star detection reagent is tested by Cytiva quality control group using appropriate products from the Gene Images labelling and detection range.

Usage in non-radioactive detection

This product is compatible with all CDP-Star related products within the Gene Images range and detection protocols are provided with the relevant products.

Note: *Please read through this whole section before proceeding.*

Note: *Wear powder-free gloves or rinse gloved hands with water before use to remove powder.*

Protocol

Step	Action
1	Drain off any excess wash buffer from the blots (by touching the corner of the blot against the box used for washing the blots or other convenient clean surface) and place them (sample side up) on a clean, non-absorbent, flat surface. ***Note:*** *SaranWrap or similar nonabsorbent material can be used to place the blot upon. Proceed directly to step 2 so that the blots are not allowed to dry out.*
2	Pipette detection reagent on to the blots (30–40 µL/cm^2) and leave for 2–5 minutes. Drain off excess detection reagent by touching the corner of the blot(s) on to the non-absorbent surface. ***Note:*** *To avoid contamination of the detection reagent, we recommend that a suitable aliquot is aseptically removed from the bulk solution to a separate container before use.*
3	Wrap the blots in SaranWrap. Place the blots (sample side up) in a film cassette. ***Note:*** *Any air pockets created in wrapping the blots should be gently smoothed out. Ensure that there is no free detection reagent in the film cassette; avoid getting the film wet.*
4	In a darkroom place a sheet of Hyperfilm™ ECL™ on top of the blots. Close the cassette and expose initially for 1 hour. Remove film and develop. Multiple subsequent exposures can be made to acquire an appropriate image. ***Note:*** *The light output will plateau after a few hours and may be maintained for 3–5 days. For very high target applications a significantly shorter initial exposure may be desirable. Too prolonged an exposure may lead to a totally black image.*

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