GE Healthcare

Amersham CDP-*Star* Detection Reagent

For the chemiluminescent detection of alkaline phosphatase

Product Specification Sheet

Code: RPN3682

Warning
For research use only.
Not recommended or intended for diagnosis of disease in humans or animals.
Do not use internally or externally in humans or animals.

Storage

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

Safety warnings and precautions

All chemicals should be considered as potentially hazardous. We therefore recommend that this product is handled only by those persons who have been trained in laboratory techniques and that it is used in accordance with the principles of good laboratory practice. Wear suitable protective clothing such as laboratory overalls, safety glasses and gloves. Care should be taken to avoid contact with skin or eyes. In the case of contact with skin or eyes wash immediately with water. See material safety data sheet(s) and/or safety statement(s) for specific advice.

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 [3,3,1,1^{3,7}]decan]-4yl) phenyl phosphate), 100 ml, ready to use

Quality control

CDP-*Star*™ detection reagent is tested by GE Healthcare 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.

Please read through this whole section before proceeding.

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

Protocol	Notes
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.	**1.** SaranWrapTM or similar non-absorbent 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.	**2.** 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.	**3.** 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.	**4.** 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.

Legal

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