

Amersham AlkPhos Direct Hybridization Buffer

Product Specification Sheet

Code: RPN3688

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.

Handling

Storage

Store at 15–25°C. Stable for at least 3 months when stored under the recommended conditions.

If not used immediately, prepared hybridization buffer should be pipetted into sterile containers and stored at -15°C to -30°C. Prepared buffer can be stored for at least 3 months.

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

2 x 500 ml, AlkPhos Direct hybridization buffer, contains urea
2 x 25 g, blocking agent

Preparation

Streptavidin-alkaline phosphatase is prepared using a single-step glutaraldehyde coupling reaction to link calf intestinal alkaline phosphatase to streptavidin. Excess coupling reagent is removed using extensive dialysis.

The final product concentration is optimized to a standard titre as determined by its binding to biotinylated protein. As a result the final protein concentration may vary minimally between batches.

Quality control

AlkPhos Direct™ hybridization buffer and blocking agent are tested by GE Healthcare quality control group using the AlkPhos Direct labelling and detection system.

Preparation of AlkPhos Direct hybridization buffer

1. Add NaCl (analytical grade) to the hybridization buffer to give a final concentration of 0.5 M.
2. Mix thoroughly on a magnetic stirrer or roller mixer.
3. Add blocking agent to a final concentration of 4% (w/v).
4. Add the blocking agent slowly while stirring vigorously to ensure a fine suspension. Poor blocking may result if the blocking agent is not fully dissolved.
5. Continue mixing at room temperature for 1–2 hours.

Use of hybridization buffer

AlkPhos Direct hybridization has been formulated for use with the AlkPhos Direct labelling and detection system. Full hybridization protocols are provided with these kits.

Legal

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