

BluePhos[®] Stop Solution (10X Concentrate)

Catalog No.
50-89-00

Size
2 x 100 mL



DESCRIPTION

The BluePhos Stop Solution (10X) is specifically designed for use with BluePhos Microwell Phosphatase Substrate System (Catalog No. 50-88-00 and 50-88-01) in ELISA assays. This solution stops color development by inhibition of the phosphatase enzyme in microwell plates. The blue chromophore is read at 620-650 nm wavelength with a suitable plate reader.

FORM/STORAGE/STABILITY

The BluePhos[®] Stop Solution (10X) is supplied in 2 x 100 mL bottles. Once diluted this kit provides 2000 mL of working stop solution. Store at ambient room temperature. Stable for a minimum of 1 year when stored properly.

CONTENT

The BluePhos Stop Solution is a 10X EDTA-based solution. Additional information regarding product is considered proprietary.

USE

Preparation

Dilute 1 part BluePhos Stop Solution with 9 parts reagent quality water to produce a 2.5% solution. Product should be at room temperature prior to use. Add volume of 1X BluePhos Stop Solution equivalent to the volume of substrate solution in the wells (recommended volume is 100 μ L). The plate can be read immediately at 620 – 650 nm wavelength.

WHEN TO STOP SUBSTRATE REACTION

A stop solution has greatest utility in ELISA assays when the user is working with several microwell plates at one time and development time with substrate is critical. Microwell plates can then be read without fear of over-development.

Quantitative ELISA: If the stop solution is being used in a quantitative ELISA assay, the period of incubation with substrate will depend on several factors including desired range of analyte concentration, required sensitivity and reader capabilities.

Qualitative ELISA: If the stop solution is being used in a qualitative ELISA assay, stop solution can be added at the time that visual discrimination between positive and negative is possible. An example would be screening of murine monoclonal antibody hybridomas.

For best results, allow substrate to react for at least 10 minutes before stopping.

NOTE: The addition of the 1X BluePhos Stop Solution does not change the blue color of the BluePhos Microwell Substrate and will not significantly change the absorbance values recorded prior to stopping the substrate reaction. This allows the user to monitor the substrate reaction and stop the reaction at the desired absorbance value.

Substrate reaction too fast?

To reduce the intensity of the substrate reaction, it is recommended that the conjugate and/or antibodies in the immunoassay be further diluted. Dilution of the substrate is not recommended.

PRODUCT SAFETY AND HANDLING

See product Material Safety Data Sheet. Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water. Product may be disposed of down the drain.

RELATED PRODUCTS

BluePhos [®] Microwell Phosphatase Substrate System	Catalog No. 50-88-02 Catalog No. 50-88-00 Catalog No. 50-88-01
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See KPL's catalog for a complete list of antibodies, substrates, immunohistochemistry products and nucleic acid labeling and detection systems.

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