

KPL TMB Stop Solution

<u>Catalog No.</u>	<u>Size</u>
5150-0020 (50-85-05)	4 x 100 mL
5150-0021 (50-85-06)	1000 mL

DESCRIPTION

KPL TMB Stop Solution is a ready-to-use, HCl based solution that slows and stops color development of TMB. TMB-based substrates turn yellow upon addition of TMB Stop Solution. The color change produces a 2 -3 fold amplification of signal. KPL TMB Stop Solution is specifically designed for use with SeraCare's TMB Substrates (KPL SureBlue™, KPL SureBlue Reserve™ and KPL TMB 2-Component).

FORM

5150-0020 (50-85-05) consists of 4 x 100 mL bottles
5150-0021 (50-85-06) consists of 1 x 1000 mL bottle

STORAGE/STABILITY

Store at room temperature. Exposure to cold temperatures does not affect product performance. Stable for a minimum of 1 year from date of receipt when stored at room temperature.

CONTENT

KPL TMB Stop Solution is a ready-to-use, 0.12 N (1%) HCl based solution. Additional information regarding product formulation is considered proprietary.

USE

Preparation:

Solution is ready to use and requires no dilution.

Volume:

The KPL TMB Stop Solution should be added to each well in the same volume as the TMB Substrate (usually 100 µL). For some assays, more stable color may be obtained by adding the volume of stop solution equal to twice the volume of substrate solution.

Stopping TMB:

The addition of KPL TMB Stop Solution changes the blue color of the TMB Substrate to yellow and will increase absorbance values 2 - 3 times. Stopped TMB should be read at a wavelength of 450 nm.

When to Stop TMB Substrate Reaction:

Many ELISA readers will not record absorbance above 2.0 O.D. units. The O.D. values of the plate should therefore be monitored at 650 nm and the substrate reaction stopped when maximum O.D. values are less than 0.60. The microplate should be allowed to

equilibrate for five minutes after the addition of stop solution. It may then be read at 450 nm at any time during the next 60 minutes.

To Reduce Substrate Intensity:

High background and/or precipitate in the wells are a sign of over-reaction with TMB. To reduce the intensity of the substrate reaction, further dilution of the primary antibody and/or conjugate is recommended. **Dilution of the substrate is not recommended.**

PRODUCT SAFETY AND HANDLING

See SDS (Safety Data Sheet) for this product.

RELATED PRODUCTS

	CAT. No.
KPL SureBlue TMB HRP Substrate	5120-0075 (52-00-01)
KPL TMB HRP ELISA Substrate	5120-0047 (50-76-00)
KPL 10% BSA Diluent/Blocking Solution	5140-0006 (50-61-00)
KPL Wash Solution (20X)	5150-0008 (50-63-00)

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.