Datasheet: BUF062C

BATCH NUMBER 172719

Description:	TMB CORE+
Name:	TMB CORE+
Format:	Ready To Use
Product Type:	Accessory Reagent
Quantity:	1000 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			Neat

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Product Form

Ready to use TMB solution - liquid

Intended Use

BUF062C is a high performance TMB (3,3´, 5, 5´- tetramethylbenzidine) solution, recommended for use in ELISA as a substrate for horseradish peroxidase (HRP).

BUF062C contains TMB, substrate buffer and hydrogen peroxide in a safe, ready to use solution. The activity of TMB has been optimised to enable increased sensitivity, minimal background and rapid development.

BUF062C produces a deep blue colour during the enzymatic degradation of H_2O_2 by horseradish Peroxidase. The reaction may be stopped with 0.2M sulphuric acid, resulting in a yellow colour read at 450nm.

Instructions For Use

1. It is recommended that 100ul of BUF062C TMB substrate is used per microtiter well. Pour the desired amount of substrate into a sealed container and allow it to reach room termperature in the dark.

2. Add 100ul substrate solution per microtiter well.

	3. Allow development of the substrate solution. Time of development is typically 5-30 minutes. For best results, the plate should be kept in the dark during incubation e.g. wrapped in tinfoil. 4. For kinetic assays, read absorbance at 655nm (blue). For endpoint assays, add an equal volume of 0.2M sulphuric acid and read the absorbance at 450nm (yellow). This endpoint solution is stable for up to one hour. N.B. If reduced intensity is required, it is recommended that the development time is reduced or the antibody/conjugate is diluted further. (Dilution of BUF062C is not recommended).
Storage	This product is shipped at ambient temperature. Store at +4°C. DO NOT FREEZE. This product is photosensitive and should be protected from light. Avoid exposure to heat and contamination with metal ions or peroxidase. Store in bottles made of High Density Polyethylene (HDPE).
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #10111 available at: https://www.bio-rad-antibodies.com/SDS/BUF062C
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

TMB CORE+ (BUF062A)
TMB CORE+ (BUF062B)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M439325:250523'

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