

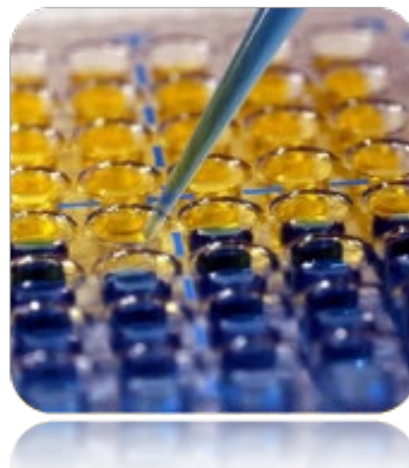
## TMB Stop Buffer

**Description:** Stop Buffer (TSB) offers a unique combination of acids that produces a more stable stopped reaction product than other formulations of H<sub>2</sub>SO<sub>4</sub> or HCL. Stopped reactions show increased absorbance values of approximately two-fold over unstopped reactions with minimal drift for up to six hours depending on various conditions. This reagent can be customized to meet each customers specific needs. Inquire about custom vialing, labeling, kit assembly and drop shipping. ScyTek's TMB Substrate catalog numbers are TM1 and TM4.

**Contents:** Proprietary combination of acids and buffers in an aqueous solution.

**Stability:** Shelf life is 24 months from the day of manufacture. Avoid contamination of reagents with labware which has not been thoroughly cleaned. The TMB ELISA test is susceptible to contamination by oxidizing metals which may produce a false positive signal.

**Uses/Limitations:** Not to be taken internally.  
For In-Vitro Diagnostic use.  
Immunological applications.  
Do not use if reagents become cloudy.  
Do not use past expiration date.  
Use caution when handling reagents.  
Non-Sterile.



<b>Availability:</b>	<u>Item #</u>	<u>Volume</u>
	TSB125	125 ml
	TSB500	500 ml
	TSB999	1000 ml

**Bulk Ordering Information and Current Pricing at [www.scytek.com](http://www.scytek.com)**

**Storage:** Store at 2-8°C.

**Precautions:** Avoid contact with skin and eyes.  
Harmful if swallowed.  
Do Not pipette reagent by mouth.  
Follow all Federal, State, and local regulations regarding disposal.


### TMB – HRP REACTION


**Activating Agents:** Peroxidase

**Light Sensitivity:** Negligible for short exposure times

**Reaction Volume:** 50 - 100 ul per well in microtiter plates

**Reaction Time:** Approximately 15 minutes (Range 5 - 60 min.)

Storage: 18°C  
 25°C

 ScyTek Laboratories, Inc.  
205 South 600 West  
Logan, UT 84321  
U.S.A.

CE IVD


EC REP


Emergo Europe  
Westervoortsedijk 60  
6827 AT Arnhem, The Netherlands

- Reaction pH:** Approximately pH 6.0 (Range 5.0 - 7.0)
- Reaction Temperature:** Room temperature
- Peak Wavelengths:** 650 nm, unstopped, blue reaction product  
450 nm, stopped, yellow reaction product
- Stopping Solution:** Equal volume of Stop Buffer (cat# TSB). Stopped reactions show increased absorbance values of approximately 2-fold over unstopped reactions.
- Reaction Stability:** Stopped reactions are stable for at least 30 minutes to several hours depending on the level of peroxidase activity. Intense reactions may precipitate on prolonged standing. This can be prevented by increasing concentration of stopping solution.

#### References:

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- Takahashi, Masaharu, Tsutomu Nishizawa, Haruko Miyajima, Yuhko Gotanda, Teruhiko Iita, Fumio Tsuda, and Hiroaki Okamoto. "Swine Hepatitis E Virus Strains in Japan Form Four Phylogenetic Clusters Comparable with Those of Japanese Isolates of Human Hepatitis E Virus." *Journal of General Virology* 84, no. 4 (2003): 851–62. <https://doi.org/10.1099/vir.0.18918-0>.
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