

Data sheet TMB substrate solution

Cat. No.	CT383
Specificity	3,3',5,5'-Tetramethylbenzidine (TMB) is a robust ready-to-use chromogenic substrate solution suitable for use in ELISA procedures.
Application	The product is ready-to-use. Allow the solution to reach room temperature (RT; 20-26 °C) before use. Add 100 µl TMB substrate solution/well and incubate at room temperature in the dark (color development between 15 and 25 min). The substrate produces a soluble end product that is blue in color that absorbs at 650 nm. The reaction can be stopped by adding 100 µl 0.18 M H ₂ SO ₄ /well (resulting in a yellow solution that can be read at 450 nm - within 30 min). The TMB substrate solution should be used in combination with SPP conjugate (CT357) or other Streptavidin-HRP conjugates.
Contents	30 ml TMB substrate solution
Sterility	-
Packaging	30 ml opaque amber bottle with amber closure.
Storage	Stable at 4 °C until the expiry date (indicated on the vial). Avoid exposure to light, heat and contamination with metal ions or peroxidase.
General	A clear colorless solution
Safety	TMB substrate solution is for professional use only. Follow general safety rules for laboratories. The product is not classified as hazardous according to Regulation (EC) no. 1272/2008.
First aid	In case of contact with skin, remove contaminated clothing/shoes and wash contaminated area with water (or shower). Upon contact with eyes, rinse eyes with plenty of water for several minutes. Assure adequate flushing by separating the eyelids. After inhalation, provide fresh air. Upon swallowing, rinse mouth (if person is conscious) with plenty of water for several minutes and make the person drink water (two glasses at most). In case of skin or eye irritation, if breathing becomes difficult or feeling unwell or concerned, consult physician and show SDS. Consult the safety data sheet (SDS) for further information regarding hazards and safe handling practices. The SDS can be found on our website www.ucytech.com/products/additional .

