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Data sheet TMB substrate ELISA

Cat. No CT383

Specificity 3,3',5,5'-Tetramethylbenzidine (TMB) is a ready-to-use chromogenic substrate solution suitable for use in ELISA assays.

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 H₂SO₄/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 streptavidin-HRP conjugate (CT394).

Contents 30 ml TMB substrate solution

Sterility -

Packaging Opaque amber bottle

Storage Stable at 2 to 8 °C until the expiration date (printed 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. Ensure adequate flushing by spreading the eyelids. After inhalation, provide fresh air. If swallowed, rinse mouth (if person is conscious) with plenty of water for several minutes and allow the person drink water (maximum two glasses).

In case of skin or eye irritation, if breathing becomes difficult or feeling unwell or concerned, consult physician and show SDS.

Refer 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.

