

MATERIALS PROVIDED & STORAGE CONDITIONS

Store the unopened kit at 2-8 °C. Do not use past kit expiration date.

PART	PART #	DESCRIPTION	STORAGE OF OPENED/DILUTED MATERIAL
ELISA Plate-Coating Buffer	896036	60 mL of sterile-filtered 1X PBS for use as a plate-coating buffer in ELISA development kits. Contains no preservatives.	May be stored for up to 3 months at 2-8 °C when handled aseptically.*
Reagent Diluent Concentrate 1	840149	21 mL of a buffered protein base.	May be stored for up to 1 month at 2-8 °C.* <i>Use within 8 hours of dilution.</i> <i>Prepare fresh for each assay.</i>
Reagent Diluent Concentrate 3 (5X)	895956	2 vials (21 mL/vial) of a 25% Tween® 20 solution in PBS. <i>Use as the blocking buffer.</i>	May be stored for up to 1 month at 2-8 °C.* <i>Use and discard diluted Reagent Diluent.</i> <i>Prepare fresh for each assay.</i>
Stop Solution	895926	3 vials (11 mL/vial) of 2N sulfuric acid.	May be stored for up to 1 month at 2-8 °C.*
Color Reagent A	895000	3 vials (12 mL/vial) of stabilized hydrogen peroxide.	
Color Reagent B	895001	3 vials (12 mL/vial) of stabilized tetramethylbenzidine.	
Wash Buffer Concentrate	895003	7 vials (21 mL/vial) of a concentrated solution of buffered surfactant with preservative. <i>May turn yellow over time.</i>	
20X PBS	896034	21 mL of concentrated PBS.	
Clear Microplates	640026	5 clear high-binding, flat-bottom 96-well polystyrene microplates. Each microplate consists of twelve removable strips of 8 wells and a frame.	Cover any unused plates with the ELISA Plate Sealers provided.
ELISA Plate Sealers	640197	24 adhesive strips	

* Provided this is within the expiration date of the kit.

REAGENT PREPARATION

Bring all reagents to room temperature before use.

Note: Reagent preparations listed below are sufficient for one 96-well plate. Adjust volumes accordingly.

1X PBS: Add 2 mL of 20X PBS to 38 mL deionized or distilled water to prepare 40 mL 1X PBS.

Reagent Diluent 3 (diluted 1:5): Add 8 mL of Reagent Diluent Concentrate 3 to 32 mL of 1X PBS to prepare 40 mL of Reagent Diluent 3 (diluted 1:5) before use.

Reagent Diluent 1 (diluted): Add 1.4 mL of Reagent Diluent Concentrate 1 to 98.6 mL of 1X Wash Buffer to prepare 100 mL of Reagent Diluent 1 (diluted).

Color Reagent A & Color Reagent B: Color Reagents A and B should be mixed together in equal volumes within 15 minutes of use. 100 µL of the resultant mixture is required per well. **Protect from light.**

1X Wash Buffer: If crystals have formed in the concentrate, warm to room temperature and mix gently until the crystals have gone into solution. Add 28 mL of Wash Buffer Concentrate to 672 mL of deionized or distilled water to prepare 700 mL of 1X Wash Buffer.

PRECAUTIONS

The Stop Solution provided with this kit is an acid solution.

Some components in this kit contain ProClin® which may cause an allergic skin reaction. Avoid breathing mist.

Color Reagent B may cause skin, eye, and respiratory irritation. Avoid breathing fumes.

Wear protective gloves, clothing, eye, and face protection. Wash hands thoroughly after handling. Please refer to the MSDS on our website prior to use.

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