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VWF Propeptide Tool Set for ELISA (for use with CS-MW1939)

Catalog No. **CS-M1981**

I. Introduction

The Tool Set 2 has been developed to complement Cell Sciences® successful product CS-MW1939 antibody pair anti-human VWF propeptide. The latter was designed to provide a tool for quantitative measurement of VWF propeptide by ELISA in vascular disorders, von Willebrand disease and acquired von Willebrand syndrome and studies on von Willebrand factor synthesis.
The user of our VWFpp antibody pair only has to make a few simple buffer solutions and ELISA reagents.
The Tool Set 2 contains the chemicals and solutions for use in the VWFpp ELISA: coating and washing buffers, as well as substrate and stop solutions.
Now you are certain of high-quality solutions, to obtain optimal ELISA results and by using these ready-made components, you save time and prevent mistakes as well.
The Tool Set 2: to make the most out of your VWFpp antibody pair.

II. Storage and Stability:

The Tool Set 2 should be stored at 2-8°C. The performance of the kit is guaranteed until the expiration date shown on the box label.

III. Contents of the Set:

The Tool Set 2 contains material sufficient for one CS-MW1939 VWFpp antibody pair (288 tests), Reagents provided are:

Quantity	component		amount
1 bottle	coating buffer capsules	for 3 x 100 mL buffer	3 pcs
1 bottle	Dilution buffer	5-fold concentrated	50 mL
2 bottles	Washing buffer	20-fold concentrated	2 x 50 mL
1 bottle	TMB substrate solution	ready-for-use	40 mL
1 bottle	Stop solution (0.18 M H_2SO_4)	ready-for-use	40 mL
3 pieces	Microtiter plate + lid 96-wells	-	3 pcs
10 pieces	Plate seals		10 pcs

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IV. Precautions for use:

1) The Tool Set 2 is intended for use with CS-MW1939.
2) Only use the reagents supplied with the set, do not mix reagents from different kit lots.
3) Do not add any preservative to the supplied reagents, they may have direct or indirect effects on the final color development of the HRP-substrate system.
4) The washing and dilution buffers contain merthiolate (0.001 % w/v) and may be toxic upon ingestion, inhalation or skin contact. Avoid contact of skin, eyes or clothing with dilution, washing or substrate buffer. In case of contact, wash skin or eyes with water and consult a physician.
5) Avoid any skin or eye contact with TMB substrate solution or stop solution provided with this set. In case of contact, wash skin or eyes with water and consult a physician.
6) Do not expose the TMB substrate solution to strong light during incubation or storage. The TMB substrate solution must be colorless before use; otherwise it must be replaced.
7) TMB substrate solution or stop solution should not be in contact with metals or metal ions, to avoid unwanted color formation.

V. Additional Materials Required:

- Distilled or deionized water.
- Beakers, flasks, cylinders preparation (and storage) of prepared buffers.

VI. Preparation of Buffers:

Coating buffer
Dissolve **only the contents** of one capsule in 100 mL of distilled water.
(The outer coating of the capsule (gelatin) will stop the coat buffer working properly, so do not dissolve or rinse the coating capsule, but only the contents)
Wait for 5 minutes, mix contents and the working-strength coating buffer is ready for use.
The prepared buffer can be stored in a closed container up to one week at 2-8°C.

Wash buffer
Prepare a working-strength solution by adding 50 mL of the wash buffer concentrate (total content of the bottle) to 950 mL distilled water.
The working-strength solution wash buffer can be stored up to 1 week at 2-8°C.

Dilution buffer
Calculate the quantity of dilution buffer required and prepare a working-strength solution by diluting the concentrated buffer 5 fold in distilled water.
The diluted buffer can be stored for up to one week at 2-8°C.

If buffers are to be used after storage, first bring to room temperature (18-25°C) before applying.

VII. Substrate and Stop Solutions:

TMB substrate solution
The supplied substrate solution is a ready-for-use mixture of 3,3',5,5'-tetramethylbenzidine (TMB) and hydrogen peroxide. Protect substrate solution from prolonged exposure to light.

Bring TMB substrate solution to room temperature (18-25°C) and apply as described in your antibody pair leaflet.

Stop solution
The supplied stop solution is a ready-for-use sulphuric acid solution (0.18 M) in water.

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Bring stop solution to room temperature (18-25°C) and apply as described in your antibody pair leaflet.

VIII. Material Safety Data Sheet

Hazardous ingredients
3,3',5,5'-Tetramethylbenzidine may be harmful by inhalation, ingestion, or skin absorption. May cause irritation. To our best knowledge the chemical, physical and toxicological properties have not been thoroughly investigated.
CAS No. 54827-17-7.
Thiomersal may be toxic upon ingestion, inhalation or skin contact. Avoid contact of skin, eyes or clothing with dilution, washing or substrate buffer. In case of contact, wash skin or eyes with water and consult a physician.
CAS No. 54-64-8
Sulphuric Acid: 0.18 M H_2SO_4 in water. In case of contact, wash skin or eyes with water and consult a physician. CAS No. 7664-93-9

Physical data
No information is available on physical data for the chemical mixture as a whole.

Health hazard
Please refer to "Precautions for use", page 1 of this information leaflet.

Protection information
Please refer to "Precautions for use", page 1 of this information leaflet.

Disclaimer
The above information is believed to be accurate and represents the best information available to us. However, Cell Sciences® neither warrants the accuracy of this information nor assumes any legal responsibility in connection with its dissemination. All materials and mixtures may present unknown hazards and should be used with caution. Users should make their own investigations to determine the suitability of this information for their particular purpose.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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