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**5 von WILLEBRAND MULTIMERS
VISUALIZATION KIT**

Ref. 4747

IVD

CE

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5 von WILLEBRAND MULTIMERS VISUALIZATION KIT

ITEMS	PN 4747
Antiserum diluent (ready to use)	1 vial, 65 mL
Anti-von Willebrand factor antiserum (stock solution)	1 vial, 0.7 mL
Anti-Ig G – PER antibody (stock solution)	1 vial, 50 µL
TTF1 / TTF2 solvent (ready to use)	1 vial, 40 mL
TTF1 (stock solution)	2 vials, 0.5 mL each
TTF2 (stock solution)	2 vials, 0.5 mL each

NOTE: Two 5 von WILLEBRAND MULTIMERS VISUALIZATION KITS are necessary for a complete utilization of one HYDRAGEL 11 von WILLEBRAND MULTIMERS kit.

1.1. ANTISERUM DILUENT

Preparation

The antiserum diluent is ready to use. It contains : buffer solution pH 7.2 ± 0.5 ; additives nonhazardous at concentrations used, necessary for optimum performance.

Use

For the dilution of the anti-von Willebrand factor antiserum and the anti-Ig G – peroxylase-labelled antibody, just before use.

Storage, stability and signs of deterioration

Store the antiserum diluent refrigerated (2 to 8 °C). It is stable until the expiration date indicated on the kit package or vial labels. Antiserum diluent must be free of precipitate.

NOTE : During storage, the antiserum diluent may turn yellow without any adverse effects on its performance.

1.2. ANTI-von WILLEBRAND FACTOR ANTISERUM

Preparation

The antiserum vial contains mammalian total immunoglobulins anti-human von Willebrand factor.

HYDRAGEL 5 von WILLEBRAND MULTIMERS: Prepare the working antiserum solution just before use. Dilute the antiserum with antiserum diluent : 60 µL anti-von Willebrand factor antiserum and 2.5 mL antiserum diluent. Mix well.

HYDRAGEL 11 von WILLEBRAND MULTIMERS: Prepare the working antiserum solution just before use. Dilute the antiserum with antiserum diluent : 135 µL anti-von Willebrand factor antiserum and 5.0 mL antiserum diluent. Mix well.

Use

For immunofixation of the electrophoresed von Willebrand factor multimers. **Storage, stability and signs of deterioration**

Store the antiserum refrigerated (2 to 8 °C). It is stable until the expiration date indicated on the kit package or vial labels. Antiserum must be free of precipitate. Discard antiserum if any change in appearance, e.g., cloudiness due to microbial contamination is observed.

1.3. ANTI-Ig G – PER ANTIBODY

Preparation

The anti-Ig G – PER antibody vial contains a monoclonal antibody against mammalian Ig G, conjugated to peroxidase.

HYDRAGEL 5 von WILLEBRAND MULTIMERS: Prepare the working antibody solution just before use. Dilute the antibody with antiserum diluent : 2 µL anti-Ig G - PER antibody and 4 mL antiserum diluent. Mix well.

HYDRAGEL 11 von WILLEBRAND MULTIMERS: Prepare the working antibody solution just before use. Dilute the antibody with antiserum diluent : 4 µL anti-Ig G - PER antibody and 8 mL antiserum diluent. Mix well. **IMPORTANT :** To take the anti-Ig G – PER antibody, use a pipette with a sufficiently thin tip than cannot become lodged in the opening of the vial (Fig. 1). **Use**

For immunofixation and peroxidase visualization of the electrophoresed von Willebrand factor multimers.

Storage, stability and signs of deterioration

Store the anti-Ig G – PER antibody refrigerated (2 to 8 °C) away from light. It is stable until the expiration date indicated on the kit package or vial labels. Antibody must be free of precipitate. Discard antibody if any change in appearance, e.g., cloudiness due to microbial contamination is observed.

NOTE : The anti-von Willebrand factor antiserum and the anti-Ig G – PER antibody originate from different animal species. Don't mix two different vials and ALWAYS change the tip of the pipette when collecting each reagent.

1.4. TTF1 / TTF2 SOLVENT

Preparation

The TTF1 / TTF2 solvent is ready to use. It contains components, nonhazardous at concentrations used, necessary for optimum performance.

Use

For the preparation of the peroxidase visualization solution, as described in the following paragraph (TTF1 and TTF2).

Storage, stability and signs of deterioration

The TTF1 / TTF2 solvent can be stored at room temperature (15 to 30 °C) or refrigerated (2 to 8 °C). It is stable until the expiration date indicated on the kit package or vial labels. TTF1 / TTF2 solvent must be free of precipitate.

1.5. TTF1 AND TTF2

Preparation

-Place the TTF1 and TTF2 vials at room temperature for 30 minutes before use.

-Homogenize well by stirring each vial before preparing the working TTF visualization solution.

-HYDRAGEL 5 von WILLEBRAND MULTIMERS: Just before use, prepare the working TTF visualization solution.

Add necessarily the reagents in the following order to avoid any risk of precipitation : 3 mL of TTF1 / TTF2 solvent, 75 µL of TTF1, 75 µL of TTF2 and 3 µL hydrogen peroxide (H₂O₂) 30 %.

-HYDRAGEL 11 von WILLEBRAND MULTIMERS: Just before use, prepare the working TTF visualization solution.

Add necessarily the reagents in the following order to avoid any risk of precipitation : 6 mL of TTF1 / TTF2 solvent, 150 µL of TTF1, 150 µL of TTF2 and 6 µL hydrogen peroxide (H₂O₂) 30 %.

Use

For visualization of the immunofixed proteins via the peroxidase-labelled antiserum.

Storage, stability and signs of deterioration

Store the stock TTF1 and TTF2 vials refrigerated (2 to 8 °C). They are stable until the expiration date indicated on the kit package or vial labels. TTF1 and TTF2 solutions must be free of precipitation.

IMPORTANT: After storage at 2 – 8 °C, TTF1 and TTF2 stock solutions are under solid form but they easily redissolve at room temperature. The TTF1 and TTF2 vials must be placed at room temperature for 30 minutes before use. Homogenize well by stirring each vial before preparing the working TTF visualization solution.

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