

# Salbutamol rapid test strip (Serum) (DTS1015L)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Size</b>	50T
<b>Intended Use</b>	Salbutamol rapid test strip is developed for rapid test of salbutamol contamination in serum.
<b>General Description</b>	Salbutamol, also known as albuterol, is a medication that opens up the medium and large airways in the lungs. It is a short-acting $\beta_2$ adrenergic receptor agonist which works by causing relaxation of airway smooth muscle and used to treat asthma, including asthma attacks, exercise-induced bronchoconstriction, and chronic obstructive pulmonary disease (COPD).
<b>Reagents And Materials Provided</b>	<ol style="list-style-type: none"> <li>1. Test strips: 50tests</li> <li>2. Red powder microwells: 8 wells</li> <li>3. Sample diluent(10x): 1 bottle</li> <li>4. Desiccants: 2 pieces/bottle</li> <li>5. Product Manual: 1 pieces</li> </ol>
<b>Materials Required But Not Supplied</b>	<ol style="list-style-type: none"> <li>1. Specimen collection container.</li> <li>2. Clock or timer.</li> <li>3. Centrifuge capable of 1,000 g centrifugal force (for centrifugation of whole blood specimens).</li> </ol>
<b>Storage</b>	The kit can be stored at room temperature (2-30°C). The test kit is stable through the expiration date marked on the foil pouch. DO NOT FREEZE. Do not store the test kit in direct sunlight.
<b>Specimen Collection And Preparation</b>	<p>Collect blood aseptically by venipuncture into a clean tube without anticoagulants. Permit blood to clot for twenty to thirty minutes at room temperature. Centrifuge to obtain clear serum and transfer serum into a clean plastic or glass tube. The test may be performed using human serum or whole blood.</p> <p>If specimens are not immediately tested they should be refrigerated at 2°C -8°C. For storage periods greater than three days, freezing is recommended (-20°C). If specimens are to be shipped, they should be packed in compliance with federal regulations covering the transportation of etiologic agents. Specimens containing precipitate may yield inconsistent test results. Such specimens must be clarified prior to assaying.</p>

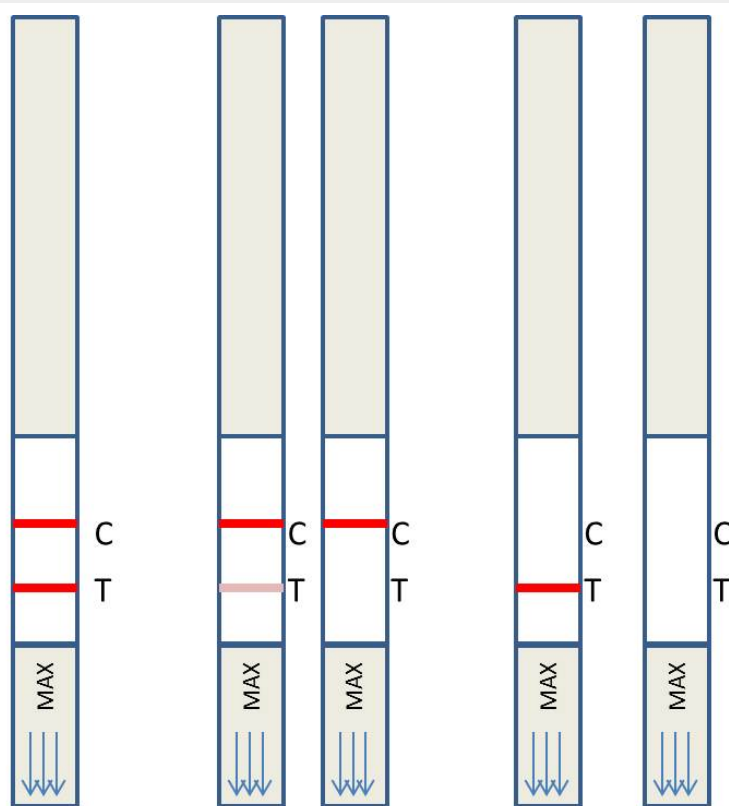
## Reagent Preparation

Sample diluent (1x): add 1 part of 10X sample diluent to 9 parts of deionized water to obtain 1x sample diluent.

## Assay Procedure

1. Please read the instructions carefully before use and return the test strips and samples to room temperature.
2. Take out the required microwells and test strips from the kit, making proper marks. Then seal the cap of the bottles, avoid moisture. (Please use the strips as soon as possible within 1 hour).
3. Use a pipette to pipette 200 $\mu$ L of sample into the microwell, and slowly aspirate five times until the mixture is uniform and no solid can be observed with the naked eye (this step is very important).
4. After incubating for 5 minutes at room temperature (20-25°C), insert the labeled strip into the microwell (the end printed with MAX and completely immerse it in the solution).
5. After immersing the test paper in the micropore for 8-10 minutes, judge the result according to the "Interpretation of Results", and the interpretation at other times is invalid.

## Interpretation Of Results



1. Negative: Both Control line (C line) and Test line (T line) developed red color, indicating that the sample does not contain salbutamol or its concentration is below the detection limit.
2. Positive: Only Control line (C line) developed red color and Test line (T line) shows no color, or the color of T line is significantly weaker than C line, indicating that the salbutamol concentration in the sample is equal to or higher than the detection limit.
3. Invalid: If there is no red line appears on Control line (C line), the result

is invalid regardless of whether there is a red line on Test line (T line).

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**Sensitivity**

The sensitivity of salbutamol in serum is 2 ppb.

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**Precautions**

1. Test strips are used at room temperature for one time; do not use expired test strips.
  2. Disposable tips are not reusable to avoid cross-contamination.
  3. Do not touch the white film surface in the center of the test strip during use; avoid direct sunlight and direct fan blow.
  4. Tap water, distilled water or deionized water cannot be used as a negative control.
  5. If you encounter any problems with the test, please contact the supplier.
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