SAL (Salbutamol) Lateral Flow Assay Kit

Catalog No: E-FS-C125

20T/50T/80T

Version Number:	V1.3
Replace version:	V1.2
Revision Date:	2025.05.13

This manual must be read attentively and completely before using this product.

If you have any problems, please contact our Technical Service Center for help.

Toll-free: 1-888-852-8623   Tel: 1-832-243-6086   Fax: 1-832-243-6017

Email: techsupport@elabscience.com

Website: www.elabscience.com

Please kindly provide us the lot number (on the outside of the box) of the kit for more efficient service.

Test principle

This kit uses the principle of Immunochromatography assay for the qualitative detection. It can detect Salbutamol (SAL) in urine sample. After adding the sample solution into the sample well of detection card, SAL of the sample solution combine with the gold-labelled antibody, so as to prevent the combining of gold-labelled antibody with SAL conjugate on the cellulose membrane. When the concentration of SAL in the sample solution is more than the detection limit, the detect line do not show color reaction and the result is positive. When the concentration of SAL in the sample solution is less than the detection limit, the detect line show color and the result is negative.

Technical indicator

Detection limit: Urine ---5 ppb

Kits components

Item	Specifications
Detection Card (with disposable dropper)	20T/50T/80T/kit
Manual	1 copy

Notes

1. Do not use product out of date or in a broken aluminum foil.
2. The detection card should be adjusted to room temperature after removed from the refrigerator before opening. The opening detection card should be used as soon as possible so as not to be invalid because of moisture.
3. Avoid of contacting the white membrane at the middle of the sample well.
4. The disposable dropper cannot be mixing to avoid the cross-contaminant.
5. The tested sample should be clear, no turbidity particle and no bacterial pollution, otherwise it is easy to result in abnormal phenomena such as obstruction, unobvious color, etc., which affect the judgment of the experiment result.
6. If the samples are not indicated in the manual, a preliminary experiment to determine the validity of the kit is necessary.
7. The kit is used for rapid screening of actual samples. If the test result is positive, the instrument method such as HPLC, LC/MS, etc. can be used for quantitative confirmation.
8. Each reagent is optimized for use in the E-FS-C125. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-FS-C125 with different lot numbers.

Storage and expiry date

Storage: Store at 2-30℃. With cool and dry environment.
Expiry date: expiration date is on the packing box.

Sample pretreatment

Restore all reagents and samples to room temperature before use.

1. **Sample pretreatment Notice:**

   Experimental apparatus should be clean, and the disposable dropper should be disposable to avoid the experiment result be interfered by the contamination.

2. **Sample pretreatment procedure:**

Pretreatment of urine (swine) sample:

(1) Take clear upper urine sample to detect, the sample needs to be centrifuged at 4000 rpm for 5 min if turbid.

(2) Take supernatant for analysis.

Experiment procedure

1. Tear the aluminum foil bag of the detection card and take out the detection card, and put it on a smooth, clean table.

2. Take the prepared clear sample liquid with the matching disposable dropper, add 3 drops of sample to the sample well (S) vertically and slowly (Avoid foaming).

3. Incubate for 5 minutes and then judge the results immediately.

Judgment of result

1. **Negative:** The control line region (C) and the test line region (T) both show a line. It indicates the content of SAL in the sample is lower than detection limit or the sample doesn't contain SAL.

2. **Positive:** Only the control line region (C) show a line. It indicates the content of SAL in the sample is higher than detection limit.

3. **Invalid:** The control line region (C) does not show a line. It indicates operation process is wrong or the test card is invalid.

Negative   Positive   Invalid