



Sulfonamides Rapid Test Kit

(Art. NO. STW005.20.01)

【Product description】

This Kit (Art. NO. STW005.20.01) is used for the qualitative determination of Sulfonamides in muscle tissue based on the colloidal gold immunochromatography technology. The test has been validated for Chicken,Pork,Fish,Shrimp,Duck . The Sulfonamides rapid test kit is convenient, fast, sensitive, and can be used for on-site large-scale screening.

【Detection Limit】

Chicken,Pork,Fish,Shrimp,Duck:

Sulfonamides	Detection limit
Sulfamethazine (SM ₂)	40 ppb (ng/g)
Sulfadimoxine (SDM)	40 ppb (ng/g)
Sulfadimethoxine (SDT)	40 ppb (ng/g)
Sulfamethoxypyridazine (SMP)	40 ppb (ng/g)
Sulfapyridine (SPD)	40 ppb (ng/g)
Sulfamonomethoxine (SMM)	40 ppb (ng/g)
Sulfametoxydiazine (SMD)	40 ppb (ng/g)
Sulfanitran (SNT)	40 ppb (ng/g)
Sulfadiazine (SD)	40 ppb (ng/g)
Sulfisomidine (SIM)	40 ppb (ng/g)
Sulfamethoxazole (SMZ)	40 ppb (ng/g)
Sulfaquinoxaline (SQX)	40 ppb (ng/g)
Sulfamerazine (SMR)	40 ppb (ng/g)

【Components provided】

1. Test strip, 40 pcs / kit.
2. Sample extractant A
3. Sample extractant B
4. reconstitution fluid
5. Instruction manual

【Storage instructions】



1. Store the kit at $20\pm 5^{\circ}\text{C}$ ($59\sim 77^{\circ}\text{F}$), and do not freeze the components of the test kit.
2. The test is valid for 12 months. No quality guarantee can be assumed after the expiration date on the kit label.

【Materials Required but not Provided】

1. Equipment:

- 1.1 Graduated micropipette / tips 20-200 μL
- 1.2 Electronic balance (accuracy: 0.01 g)
- 1.3 Vortex mixer
- 1.4 Centrifuge (4000 g)
- 1.5 Nitrogen Evaporator
- 1.6 Timer

【Test Procedure】

1 Preparation

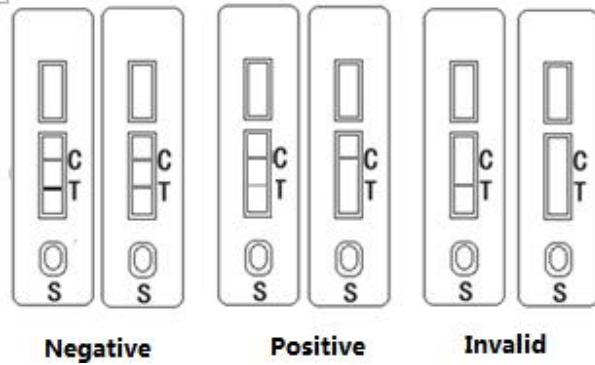
- 1.1 Please read the entire manual carefully before starting your experiment. Take out the test strips needed and the samples to reach room temperature ($20\pm 5^{\circ}\text{C}/59\sim 77^{\circ}\text{F}$).
- 1.2 Weigh 1 ± 0.05 g of homogenized sample into 10 mL centrifuge tube.
- 1.3 Add 0.8 mL sample extractant A, mix vigorously by vortex mixer for 1 min.
- 1.4 Add 4 mL sample extractant B, mix vigorously by vortex mixer for 3 min.
- 1.5 Then centrifuge the sample for 5 min with $4000\times g$ at room temperature.
- 1.6 Transfer 0.5 mL sample supernatant into a new 5 mL centrifuge tube and evaporate it with nitrogen stream in 60°C (140°F) water bath.
- 1.7 Add 0.4 mL reconstitution fluid, and then mix adequately by vortex mixer for 30 s.

2 Testing

- 2.1 Take out the quantity needed of strips and label them, add 120 μL sample into the sample well (S).
- 2.2 5 min after sample addition, interpret the result according to the color intensities of C Line (Control Line) and T Line (Test Line). (See Result Determination).

【Result interpretation】

1. Visual interpretation



Negative: T Line and C Line are both red, and color of T Line is deeper than C Line or the same with C Line.

Positive: C Line is red, T line does not show any color or the color is obviously lighter than C Line.

Invalid: Strip does not develop a C Line. The corresponding sample should be re-tested.

2. Interpretation with strip reader

Please refer to the manual of reader.

【Notes】

1. No water or other liquid can be used as negative control.
2. The sample should be homogenized to facilitate the extraction of the drug.
3. Test should be finished within 1 hour.
4. This strip is for single use only.
5. Please do not use if the package is broken, or dirty or out of expiration date.
6. This kit is for screening test only, positive result should be further confirmed with other methods.
7. All wastes should be properly decontaminated prior to disposal. Disposal should be in accordance with local, regional, and national regulations.

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【Manufacturer】

Beijing WDWK Biotechnology Co., Ltd

Add: Building 3, Courtyard 9, Dijin Road, Haidian District, Beijing, China

Zip code: 100095

Tel: +86-10-62974201



Fax: +86-10-62987854

E-mail: info@wdwkbio.com

Website: www.wdwkbio.com