Interpretation of test result

Suitable for serum, plasma, ascites and other liquid samples, tissue samples should be homogenized first.

Limitations of test method

Sample volume: Serum, plasma, ascites and other liquid samples≤200μL.

Sensitivity: high sensitivity PCR detection.

Product performance index

The extraction product was determined by high sensitivity HCV RNA detection reagent, the minimum detectable is 500 IU/mL.Linear range is 1000 IU/mL-10^7 IU/mL. The statistical results is determined by repeated testing with national standard control material.

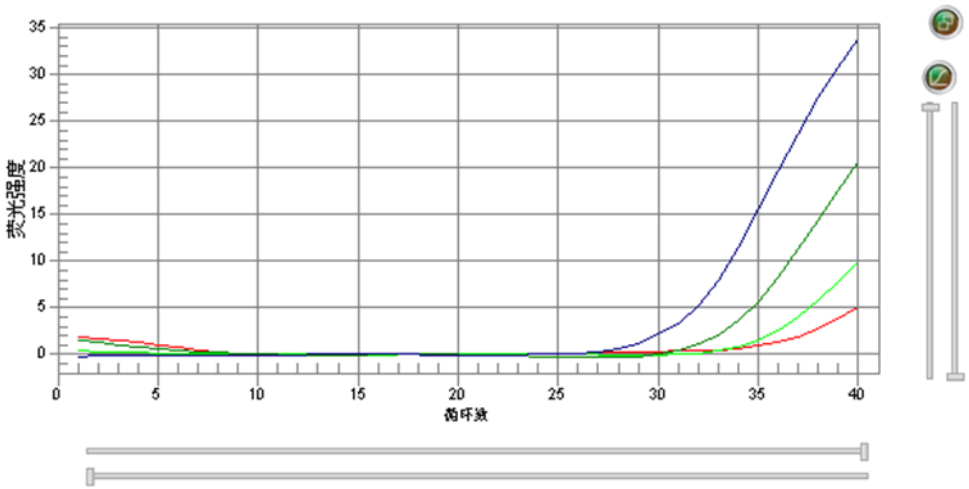
Notice

1) **Lysis Buffer** may be precipitated at low temperature, please heated at 56 ℃ for a few minutes to restore the clarification.

2) **Wash Buffer I** and **Wash Buffer II** add the absolute ethanol as the volume marked on bottle label and mix well.

Example

Purification coronavirus RNA from cat ascites by this kit, real-time PCR result.



Simply P Virus RNA Extraction Kit

TECHNICAL SUPPORT:

For technical support, please dial phone number ： 0086-571-87774567-5287 or 5297,
or fax to 0086-571-87774303
Email to reagent@bioer.com.cn.

Website: www.bioer.com.cn

Package

50Tests; 100Tests; 200Tests

Application

Extraction virus RNA from supernatant of tissue homogenate, serum, plasma, ascites and other liquid samples.

Test principle

Add Lysis Buffer to the processed liquid sample to denature the protein of virus to release RNA. Transfer the mixture to spin column, and then total RNA can be easily isolated through several washing and eluting steps.

Main constituents

Cat#	**BSC56S1**	**BSC56M1**	**BSC56L1**	**Ingredients**
Kit Content	**50T**	**100T**	**200T**	
Lysis Buffer	25 mL	50 mL	100 mL	Salt and Tris-HCl Buffer
Wash Buffer I	※18mL	※36mL	※72mL	High-salt solution
Wash Buffer II	※12mL	※24mL	※48mL	Low-salt solution
RElution Buffer	10mL	20mL	40mL	RNase-free H_2O
Spin Columns	50	100	200	Plastic parts and nucleic acid adsorption film
Handbook	1	1	1	

***PS*： *Buy BSC56S1 add 12mL Absolute ethanol to ※18mL Wash Buffer I before use，add 48mL Absolute ethanol to ※12mL Wash buffer II before use*。**

***Buy BSC56M1 add 24mL Absolute ethanol to ※36mL Wash Buffer I before use，add 96mL Absolute ethanol to ※24mL Wash buffer II before use*。**

***Buy BSC56M1 add 48mL Absolute ethanol to ※72mL Wash Buffer I before use，add 192mL Absolute ethanol to ※48mL Wash buffer II before use*。**

Reagent prepared by the user

Absolute ethanol (AR).

Storage and transportation

1) The kit can be transported at room temperature.

2) The kit has demonstrated stability of 12 months when stored at room temperature.

Instrument

Microcentrifuge capable of 14,000rpm, Metal bath or Water bath, Vortex mixer.

Sample requirements

If the liquid sample volume is less than 200μL, you can add PBS or normal saline to make the total volume to 200 μL.

Test method

I **Sample pretreatment**

Animal/Plant Tissue: Grind sample fully with normal saline or PBS, take the supernatant after centrifugation.

Serum, Plasma, Ascites and other liquid samples: Extraction directly.

II **Sample extraction operation**

1. Transfer 200μL processed sample (If the sample volume ≤200μL, add PBS or normal saline to 200μL), add 500μL Lysis Buffer. Vortex mixing 30 seconds. Standing at the room temperature for 2 minutes.
2. Transfer the mixture into a Spin Column and centrifuge at 10,000rpm for 1 minute and discard the flow-through.
3. ***Optional:*** Add 500μL Wash Buffer I into the Spin Column, centrifuge at 12,000rpm for 30 seconds and discard the flow-through.
4. Add 500μL Wash Buffer II into the Spin Column, centrifuge at 12,000rpm for 30 seconds and discard the flow-through.
5. Add 500μL Wash Buffer II into the Spin Column, centrifuge at 12,000rpm for 2 minutes and discard the flow-through.
6. Transfer the Spin Column to a new 1.5mL microcentrifuge tube. Airing at the room temperature for 1 minute.
7. Add 50μL RElution Buffer (or RNase-free water pH>7.0) to the central of the membrane; Incubate at the room temperature for 2 minutes.
8. Centrifuge at 12,000rpm for 1 minute. Remove the Spin Basket and discard. Then the buffer in the microcentrifuge tube contains the RNA.

The RNA can be applied kinds of tests. Store the RNA at -80℃ if not be used immediately.

Reference value

The extraction product was determined by high sensitivity HCV RNA detection reagent, the minimum detectable is 500 IU/mL. The statistical results is determined by repeated testing with national standard control material.