

## Sample Release Reagent

### 【 Reference Number 】

S1014E

### 【 Product Name 】

Sample Release Reagent

### 【 Packaging Specification 】

24 tests/bag, 48 tests/bag, 96 tests/bag

### 【 Intended Use 】

The Sample Release Reagent is intended for the pre-treatment of the samples to be tested. The substances to be tested in the specimens can be released from other substances to facilitate the use of in vitro diagnostic reagents or instruments.

### 【 Test Principle 】

Protein structure is rapidly destroyed by denaturation and biochemical reagents, releasing the nucleic acid.

### 【 Components of the Kit 】

The kit consists of single package of "sample release reagent".

Reagent Name	Specification & Qty.			Main Ingredients
	24 T	48 T	96 T	
Sample Release Reagent	1.2 mL/tube x 1 tube	1.2 mL/tube x 2	4.8 mL/tube x 1	Lysis buffer(S03)

### 【 Storage 】

This sample release reagent kit should be stored at 2~8°C. The shelf life of the kit is 24 months.

The reagents remain valid and stable before the expiry date on the outer package, when transporting for 5 days in a sealed foam box with ice packs.

### 【 Compatible Instrument 】

It is compatible to high speed centrifuge.

### 【 Specimen Requirements 】

- Applicable specimen types: synthetic cloned bacteria liquid, pseudovirus, RNA in vitro transcription, plasmids, serum, plasma, urine, swab elution, sputum, alveolar lavage fluid and other samples.
- Specimen collection: collect the specimens according to regular sample collection methods.

### 【 Test Method 】

1.1 Take out the sample release reagent, allow to reach room temperature and vortex for 10 seconds to mix. Choose one of following methods to conduct sample preparation.

1.2 Method 1: Synthetic samples, serum, plasma and throat swab samples (collected in TE/normal saline matrix including Sample Storage reagent X1002E):

Add 10 µL of sample release reagent to each of the PCR tubes. Add 10 µL of the samples to be tested to each tube (Note: If the samples are turbid or obviously precipitated, it is recommended to centrifuge at 2000rpm for 30 seconds and then pipette 10 µL of the supernatant into the tube). Pipette the samples up and down 3-5 times to completely mix the liquid, then leave at room temperature for 10 minutes.

1.3 Method 2: Swab samples (virus preservation fluid and other substrates), sputum, alveolar lavage fluid, etc.

Take out samples, vortex for 10 seconds. Pipette 200 µL sample to be tested into 1.5 mL centrifuge tubes and centrifuge them at 12,000 rpm for 10 minutes, then discard the supernatant. Add 50 µL Sample Release Reagent into the tube and vortex for 10 seconds to mix the Sample Release Reagents and the pellet. Incubate the solution at room temperature for 10 minutes. The lysed specimen solution should be applied to the PCR reaction immediately.











### 【 Limitations of Detection Method 】

The reagent cannot be used for processing of solid samples.

### 【 Precautions 】

- The sample release reagent does not have the function of in vitro diagnosis, therefore it cannot be used alone for in vitro diagnosis.
- This reagent cannot be used for nucleic acid purification. It is not suitable for molecular biology tests that require high nucleic acid purity.

### 【 Symbols 】

Symbols	Meanings	Symbols	Meanings
	In Vitro Diagnostic Medical Device		Date of Manufacture
	Use By		Consult Instructions for Use
	Temperature Limitation		Manufacturer
	Lot Number		Reference Number
	Number of Tests		Any warnings and/or precautions to take



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