

VIRAL RNA EXTRACTION KIT

CAT. NO

21S-04-15 (150 RXN)

21S-04-25 (250 RXN)

21S-04-50 (500 RXN)

PRODUCT DESCRIPTION

With the **Viral RNA Extraction Kit**, viral RNA can be prepared quickly from nasal and nasopharyngeal swab samples. This extraction kit can perform viral RNA extraction with a sensitivity of **1-10 copies/ml.**

PRINCIPLE

RNA isolation system is based on manual salt extraction principle. Following the incubation with lysis solution, the kit separates the RNA from protein with this system.

SYSTEM CONTENTS

Reagents	150 rxns
• Lysis Solution	Lyophilized Powder
• Solution A	7,5 ml
• Solution B	15 ml

CONSUMABLES AND EQUIPMENTS TO BE SUPPLIED BY USER

- Ethanol (96-100%)
- Ethanol 75%
- Nuclease Free Water
- Thermal Block or water bath
- Microcentrifuge*
- 1.7 ml nuclease free microcentrifuge tubes

* **Refrigerated microcentrifuge is not required. If you are using refrigerated microcentrifuge, please set the temperature to 25 °C.**

STORAGE

- Lysis Solution, store at **- 20 °C after** the reconstitute.
- All reagents should be stored at RT and dark.
- All reagents can be used until the expiration date on the box.

BEFORE STARTING:

- Please add the noted amount of **nuclease free sterile water** into **Lysis Solution** tube to reconstitute lyophilized powder. Lysis Solution, store at **- 20 °C** after the dilution.
- Set thermal block or water bath to **55 °C**.

PROCEDURE

1. Pipette **250 µl viral transport medium** to 1.7 ml nuclease free microcentrifuge tube. Add **10 µl Lysis Solution** and **50 µl Solution A**.
2. Vortex the mixture gently (5 secs.). Incubate at **55 °C**. for **8 mins**.
3. After the incubation, add **100 µl Solution B** and **650 µl Ethanol (96-100%)**. Vortex the mixture gently.
4. Centrifuge **12.500 rpm**. for **12 min**.
5. Discard the supernatant and add **300 µl Ethanol 75%**.
6. Centrifuge **12.500 rpm**. for **5 min**.
7. Discard the supernatant and add **500 µl Nuclease Free Water**.
8. RNA is ready for use.

TROUBLE SHOOTING

If internal control doesn't work,

- Sample is containing PCR inhibitor(s). Add **200 µl more Nuclease Free Water** to the used RNA. And repeat the test.

CAUTIONS

- All reagents should be stored at suitable conditions.
- Do not use the reagent that stored at unsuitable conditions.
- Shelf-life of the kit is 12 months. Please check the manufacturing data before use
- Only use in vitro diagnostics.

Please contact us for your questions. tech@snp.com.tr