

## SNP DBS DNA Extraction Kit

Cat # : 21S-03-50 (50 RXN), 21S-03-100 (100 RXN)

### INTRODUCTION

SNP DBS DNA Extraction kit is designed for the rapid isolation of highly pure DNA from 1 punch Guthrie Card (3 mm Dry Blood Spot-DBS).

### KIT CONTENTS

REAGENTS	50 RXN	100 RXN
Solution T	20 ml	40 ml
Solution RB	15 ml	30 ml
Solution L1	10 ml	20 ml
Solution L2	10 ml	20 ml
Solution E	7 ml	15 ml
ddH <sub>2</sub> O	40 ml	80 ml

### STORAGE

- All solutions should be stored at RT.

### MATERIALS TO BE SUPPLIED BY USER

- 1.5 ml, nuclease free microcentrifuge tube
- Thermal heating block or water bath (for 70 °C)

### CAUTIONS

- All reagents should be stored at suitable conditions.
- Causes skin irritation. Wear protective gloves.
- System is not suitable for in-vivo use. Suitable only for in-vitro use.
- If contact with skin, wash with water.

### PROTOCOL

1. Place one punch guthrie card (3 mm) into 1.5 ml microcentrifuge tube.
2. Add **300 µl Solution T**. Vortex the mixture vigorously (10 - 20 sec). Incubate samples at **RT** for **5 minutes**.
3. Discard the supernatant. Add **250 µl Solution RB**. Vortex the mixture and incubate samples at **RT** for **10 minutes**.
4. Discard the supernatant. Add **300 µl ddH<sub>2</sub>O**. Vortex the mixture and incubate samples at **RT** for **5 minutes**.
5. Repeat the step four . thus the sample will be washed twice.
6. Discard the supernatant. Add **125 µl Solution L1** and **125 µl Solution L2**.
7. Vortex the mixture and incubate samples at **95 °C** for **12 minutes**.
8. Discard the supernatant. Add **100 µl Solution E**. Vortex the mixture and incubate samples at **95 °C** for **10 minutes**.
9. DNA ready for use and can be stored up to one year at -20 °C.

Please contact us for your questions. [tech@snp.com.tr](mailto:tech@snp.com.tr)