



## PRODUCT INFORMATION

### One-Tube Hair DNA Extraction Kit

*Product information for BS8407:*

#### Kit Contents

Components	BS8407, 50 Preps
Lysis-Buffer-H*	1.6 ml
Proteinase K	60 µl
Protocol	1

**\*Note:** The Lysis-buffer-H may have precipitation; this is normal and will not affect performance of the kit, mix well before use. Cut off the top of the tip to add Lysis-Buffer-H.

#### Storage and Stability

Transportation at ambient temperature. Store at 4°C. Valid for 1 year.

#### Introduction

The kit provides a simple and fast method for isolation of genomic DNA from hair and other forensic samples such as saliva, nail and dried blood. The kit includes Proteinase K and other reagents to break up most tissue samples as well as to remove proteins and other components from the DNA. There is no need for phenol extraction, overnight digestion, DNA precipitation or column purification; the lysate can be use as PCR template directly. The one-tube manipulation minimizes the cross-contamination between specimens. Purified Hair DNA can be used for PCR and other downstream applications including PCR and real-time PCR, Southern blotting and SNP genotyping.

#### Features

- ü Simple and rapid. Whole procedure can be performed in one tube, takes approx 15 minutes.
- ü The whole procedure was performed in one single tube to prevent cross-contamination among samples.
- ü Convenient for high-throughout PCR screening.
- ü Suitable for extraction of genomic DNA from various species.

#### Procedures

1. Transfer 3-4 hair to a 0.5 mL centrifuge tube. Shake Lysis-buffer-H and add 30 µl Lysis-Buffer-H plus 1 µl Proteinase K, vortex vigorously.
2. Incubate at 56°C for 10 min and then 95~100°C for 3 min.
3. Vortex and centrifuge at 12,000 x g for 3 min. Save the supernatant and use for PCR.