

Product information

QF 24 V4
V1 Feb 2020

One-Tube Hair DNA Extraction Kit

Catalog #: BS8407
Size: 50 preps
Storage: 4°C*

*: Product will be shipped at ambient temperature. Check storage conditions.

Product Description:

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:

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

Composition:

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

*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 Transportation:

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

Procedures:

1. Transfer 3-4 hairs 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 minutes and then 95~100°C for 3 minutes.
3. Vortex and centrifuge at 12,000 x g for 3 minutes. Save the supernatant and use for PCR.



PRODUCTS ARE INTENDED FOR BASIC SCIENTIFIC RESEARCH ONLY.
NOT INTENDED FOR HUMAN OR ANIMAL USE.