

Product information

QF 24 V4
V1 Jan 2020

One-Tube Swab DNA Extraction Kit

Catalog #: T71612 \ T71613 \ T71614
Size: 20 \ 100 \ 500 Prep
Storage: 4°C*

*: Product will be shipped at ambient temperature. Check storage conditions. Components will have a one year shelf life under these conditions.

Product Description:

The kit is designed for rapid DNA isolation from a variety of samples including buccal swab, vaginal swab, and others, such as blood, dried blood, sperm etc. The one-tube manipulation can minimize cross-contamination between specimens, and whole procedure only takes approximately 15 minutes. Purified swab DNA can be directly used for PCR.

Procedures:

- Collect buccal cells on swab and dry the swab at room temperature for about 10 minutes.
NOTE: A foam-tipped swab is recommended.
- Add 200 µl Lysis-Buffer-S to a 1.5 mL centrifuge tube, add 20 µl of Proteinase K solution, and mix by vortexing.
NOTE: For batch extractions, Lysis-Buffer-S and Proteinase K may be pre-mixed at a ratio of 10:1 prior to use.
- Place the dried buccal swab into the prepared lysis solution for 2 minutes and rotate the swab in the solution at least 5 times.
- Rotate and press the swab firmly against the side of the tube to ensure that most of the liquid remains in the tube. Discard the swab.
- Incubate the sample at room temperature for 5 min.
NOTE: Incubation at 56°C may enhance tissue lysis and amplification.
- Incubate the sample at 95°C for 3 min.
NOTE: Tissues may not be completely digested at the end of the incubation, but this does not affect PCR performance.

Kit Contents:

Components	T71612 (20 Preps)	T71613 (100 Preps)	T71614 (500 Preps)
Lysis-Buffer-S	4ml	20ml	100ml
Proteinase K	0.4ml	2ml	10ml
Universal Buffer NST	4ml	20ml	100ml
Protocol	1	1	1

- Add 200 µl Universal Buffer NST, invert the tube for about 10 times or vortexing to mix thoroughly.
- The mixture can be used as PCR template directly. Volume of this template should not exceed 1/10 of the total PCR reaction volume.
NOTE: No spin step is required
- Save the remaining samples at 4°C.
NOTE 1: The DNA is not sufficient for electrophoresis analysis.
NOTE 2: For long term storage, remove the undigested tissue or transfer the extracts to new tubes.

Storage:

The kit should be stored dry at 4°C, valid for 1 year under these conditions.



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