

Instructions for Isohelix Stabilising and Lysis kits: DSK-3/DSK-50

STORE COMPONENTS AT CORRECT TEMPERATURES ON ARRIVAL

Product Details:

Version 3
Revised November 2009

The Isohelix Stabilising and Lysis kits are designed to fully stabilise your DNA (taken from swabs and other source material) from enzymatic activity that occurs naturally after Buccal sampling. The kit will store the samples at room temperature and shows no loss of stability even after 2 years of data collected to date. The DNA LS Kit also contains a component to fully lyse the cells as well as enzymatic inhibitors, releasing all the DNA and maintaining the structural integrity.

- * Stabilises your DNA
- * Room Temperature storage
- * Long term storage for DNA

- * Improves DNA yield and Purity
- * Lyses the cells
- * Pre-treatment prior to isolation

Storage and Stability

The DNA Isolation kits are shipped at ambient temperature, on arrival **PLEASE NOTE** that some of the components should be stored according to the table below upon arrival. The kits are stable for 2 Years if stored as instructed. See box label for expiry date.

Vial	Storage Condition
Solution LS	Room Temperature Approx. +20°C to +22°C
Solution PK	+4°C

Kit Contents.

REF DSK-3 - Trial kit

Vial	No.	Qty	Contents
Solution LS	1 x	1.5 ml	Lysis/Storage Buffer
Solution PK	1 x	100 µl	Proteinase K buffer

One kit contains enough material for 3 extractions.

REF DSK-50

Vial	No.	Qty	Contents
Solution LS	1 x	25 ml	Lysis/Storage Buffer
Solution PK	1 x	1 ml	Proteinase K buffer

One kit contains enough material for 50 extractions.

Before you start:

If a precipitate has formed in Solution LS incubate the tube/bottle at 60°C for few minutes.

DNA stabilising and Lysis from the swab

1. Add 500 µl of LS solution to the tube containing the swab.
2. Add 20 µl of PK solution, vortex briefly. The DNA will be released into the LS buffer and stabilised.

NB: The DNA can now be extracted from the LS solution or the sample can be kept for at least 2 years at room temperature.

Other Products for DNA sample handling

Isohelix Buccal Swabs: SK1 or SK2
High yields, blood alternative, reproducible, easy to use, different formats for various extraction methods.

Isohelix DNA Isolation Kits DDK 3/50
Optimised for buccal cells, no organic solvents, reduced steps, HT formats, No columns or filters.

Isohelix DNA quality check kit DQC/50
PCR kit to confirm quality of DNA prior to onward experimentation.

Silica gel capsules SGC-3/50SK1
For use with SK-1 swab kits, air-dries swab in tube giving extended storage times without loss of stability.

Safety and Use of the DSK kits

The DSK kits are intended for use by qualified professionals trained in potential laboratory hazards and good laboratory practise. If direct information is not available on any of our compounds this should not be interpreted as an indication of product safety.

This kit has been designed solely for research use only

Isohelix is a division of Cell Projects

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