

Instructions for Isohelix Stabilisation and Lysis kit: DSK-50

Product Details

Isohelix Stabilisation and Lysis Kits fully stabilises your DNA (taken from buccal swabs and other source material) from enzymatic and microbial activity that occurs naturally after buccal sampling. The kit is designed to store the DNA samples at room temperature and shows no visible loss of DNA stability for at least three and a half years (ongoing tests to date), tested to date. The DSK Kit also fully lyses the cells, maximising release of DNA to further enhance yields, whilst the enzymatic inhibitor maintains the structural integrity of the DNA.

Key Benefits

- ✓ Stabilises your DNA
- ✓ Room temperature storage
- ✓ Long term storage for DNA
- ✓ Improves DNA yield and purity
- ✓ Lyses the cells
- ✓ Pre-treatment prior to isolation

Kit Contents

Isohelix DSK Stabilisation and Lysis kit		
Catalogue No.	DSK-50	Storage temperature
Number of preps	50	
Solution LS (Lysis buffer)	25ml	Room temperature
Solution PK (Proteinase K)	1ml	-20°C

Storage

STORE KITS AT CORRECT TEMPERATURE ON ARRIVAL

Isohelix DSK DNA Stabilisation and Lysis Kits are shipped at ambient temperature.

Please note that on arrival the kit components should be stored according to the table above.

The kits are stable up to the expiry date if stored as instructed. See box label for expiry date.

Equipment and reagents to be supplied by user

- Pipettes with disposable tips
- Vortexer
- (Water bath at 60°C – optional)

Before Starting

1. If a precipitate has formed in solution LS, warm at 60°C for a few minutes.
2. Remove the PK solution from the freezer and allow to thaw at room temperature.
Note: If a fine white powder precipitate has formed in the PK, vortex the tube immediately prior to pipetting the PK. The precipitate should not block the pipette tip and will dissolve when added to the LS buffer. This precipitate if present has no adverse effect on the activity of the Proteinase K.

Technical Assistance

If you have any questions regarding the use of this kit or other Isohelix products please contact us by email at info@isohelix.com or for further information visit the website at www.isohelix.com

Safety and Use of the DSK DNA Stabilisation and Lysis kits

The DSK Stabilisation and Lysis 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

For swab or DNA isolation queries email: info@isohelix.com www.isohelix.com
Molecular Biology Solutions www.cellprojects.com

DNA Stabilisation and Lysis Protocol:

1. Add 500ul LS solution to the tube containing the buccal swab.
2. Add 20µl PK solution to the tube containing the buccal swab and LS solution. Vortex briefly.

At this point the DNA is stabilised. You may continue with the DNA isolation or store the stabilised swab in a sealed tube at room temperature for at least 3 ½ years.

The Isohelix DSK Stabilisation and Lysis kit is compatible with all major DNA isolation methods. For maximised yields and purity we recommend the Isohelix DDK DNA Isolation Kit (Cat. No: DDK-50) which has been optimised for use with buccal swabs in terms of yield and ease of handling.

Other Cell Projects Products

Isohelix DNA Buccal Swabs.

- High yields, blood alternative, reproducible, easy to use, different formats for various extraction methodologies.

Isohelix DNA Silica Gel Capsules

- For use with SK-1 swab kits, air-dries swab in tube giving extended storage times without loss of stability: SGC-50

Isohelix DNA Isolation and Handling kits

- DNA Isolation kits for the isolation of pure DNA from buccal swabs: DDK-50
- DNA Release kits – quick and easy kit for PCR-ready DNA from buccal swabs in under 20 minutes: BEK-50
- DNA Quality Check by PCR to confirm quality of DNA prior onward experimentation: DQC-50
- Isohelix Spin+Collect™ sample recovery devices to increase yields from swabs and other materials: SC/ST-100

PCR Products - A range of high quality PCR plastic for 96 well format plates and cap strips

Electroporation - The HiMaX electroporation cuvettes and buffers maximise molecular electroporation and electrofusion efficiencies for Bacteria, Yeast, Insect, Plant and Mammalian cells.