

## Instructions for Isohelix BuccalFix DNA Stabilisation Buffer: BFX-25

### Product Details

Isohelix BuccalFix DNA Stabilisation buffer has been specifically formulated to immediately stabilise DNA on buccal swabs, allowing long term storage at room temperature and enabling subsequent isolation of high DNA yields and purity from the stabilised buccal swabs. The kits have been fully optimised at Cell Projects for use on buccal cell samples and offer reduced handling times, increased DNA yields and many other important technical benefits for their use in manual, 96-well or other high throughput formats.

### Key Benefits

- ✓ Optimised for buccal cells
- ✓ Long term stability
- ✓ High purity and yield
- ✓ Fast handling times
- ✓ Protocol integrated to swabs
- ✓ Storage at room temperature
- ✓ One step stabilisation
- ✓ Less consumables wastage

### Kit Contents

Isohelix BuccalFix DNA Stabilisation buffer		
Catalogue No.	BFX-25	Storage temperature
Number of preps	50	
Solution BLS (Lysis and Stabilisation buffer)	25ml	Room temperature

### Storage

Isohelix BuccalFix DNA Stabilisation buffer is 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

### Before Starting

1. If a precipitate has formed in solution BLS, warm at 37°C for a few minutes

### Technical Assistance

If you have any questions regarding the use of this buffer or other Isohelix products please contact us by email at [info@isohelix.com](mailto:info@isohelix.com) or for further information visit the website at [www.isohelix.com](http://www.isohelix.com)

### Safety and Use of the BuccalFix DNA Stabilisation buffer

The BuccalFix DNA Stabilisation buffer is 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 for research use only**

## **Protocol for BuccalFix DNA Stabilisation buffer**

### **Part A – DNA Stabilisation**

1. Add 500µl BLS solution to the tube containing the buccal swab, seal the tube then vortex briefly or invert to mix.

**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 2 years.**

### **Recommended DNA Isolation kit:**

**Isohelix BuccalFix DNA Isolation Kit Cat. No: BFX-50** contains reagent sufficient for 50 stabilised buccal swab samples, and has been optimised for use with the BuccalFix DNA Stabilisation buffer to produce DNA with high yields and purity for all downstream processing applications.

See [www.isohelix.com/buccalfix-dna-isolation-kit](http://www.isohelix.com/buccalfix-dna-isolation-kit) for further information.

### **Other Isohelix Products**

#### **Isohelix GeneFix™ Saliva DNA & RNA Collectors:**

- Maximizes DNA/RNA Quality and Yields with Long Term Preservation.

#### **Isohelix DNA and RNA Buccal Swab Collectors**

- Latest Design Improves Collection, Yields, Stability and Integration for Processing.

#### **DNA Swab Stabilization**

- Physical or Chemical options to Preserve DNA Yields and Integrity over Extended Periods.

#### **DNA Isolation and Handling Kit Options**

- Specifically Optimized to Maximise DNA Performance for Isohelix Buccal Swabs and GeneFix Saliva Collectors.

#### **Cell Projects Products**

- **PCR Products** - A full range of high quality PCR plastic for 96 well format plates and cap strips
- **Electroporation** - The HiMaX cuvettes maximise electroporation efficiencies for most cells types.