

## 5x microLYSIS<sup>®</sup> - Plus

### For tough cells in suspension

**Go from cells to PCR in less than 30 mins!**

#### Protocol

Add 4 µl 5x microLYSIS-Plus to 16 µl of cell suspension\*

Overlay with mineral oil if necessary

Place in a Thermal Cycler

#### Lysis profile 1 - For very tough cells

Step 1: 65°C for 15 mins

Step 2: 96°C for 2 mins

Step 3: 65°C for 4 mins

Step 4: 96°C for 1 mins

Step 5: 65°C for 1 mins

Step 6: 96°C for 30 secs

Step 7: 20°C hold

#### Lysis profile 2\*\* - For less tough cells

Step 1: 75°C for 5 mins

Step 2: 95°C for 2 mins

Step 3: 20°C hold

After lysis, all of the microLYSIS-Plus/DNA mixture can be used directly in PCR. It can make up to 40% of most PCR mixtures. Alternatively, it can be stored at -20°C for future use

\*Free from PCR inhibitors

\*\*Lysis profile 2 is not recommended if the released DNA is to be stored long term

**Note:** microLYSIS-Plus is a complex solution which releases (does not purify) the DNA from the cells. Estimation of DNA yield after lysis can therefore not be done using a spectrophotometer

#### Related Products

**MegaMixes** = Clear or blue PCR mixes for instant and accurate PCRs

**microCLEAN** = The easy way to clean-up your PCR fragments

**BetterBase** = Enhance/dilution buffer for sequencing

**Supplied as a clear solution in multiple of 1 ml aliquots**  
**Store at -20°C**

**For Research Only**