

# PROTOCOL

## microLYSIS®-PLUS

easy to use, one tube protocol to lyse even the toughest cells



Part Number: 2MLP-XX  
Version: 1.5  
Storage: Store @ +4.0°C or -20°C  
Related Accessories: microCLEAN, BetterBuffer, microSTOP

### Protocol

- Mix cells\* with 20 µl microLYSIS®-PLUS
- Overlay with mineral oil if necessary
- Place in a Thermal Cycler

#### Lysis Profile 1\*\* - For most cells

Step 1: 75°C for 5 minutes

Step 2: 95°C for 2 minutes

Step 3: 20°C hold

#### Lysis Profile 2 - For tough cells

Step 1: 65°C for 15 minutes

Step 2: 96°C for 2 minutes

Step 3: 65°C for 4 minutes

Step 4: 96°C for 1 minute

Step 5: 65°C for 1 minute

Step 6: 96°C for 30 seconds

Step 7: 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. Or it can be stored at -20°C for future use.

\* Free from PCR inhibitors

\*\* Lysis profile 1 is not recommended for long term storage of the released DNA

*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.*