

Clent Life Science

P.O. Box 5563

Stourbridge

DY8 9AZ

T: 01384 444585

F: 01384 467980

E: info@clentlifescience.co.uk

W: clentlifescience.co.uk



Free-IT DNA Release

Even the toughest cells, (e.g. plants and tissues) circum to Free-IT

Catalogue Number: FI001

Volume: 5x1ml (250 Tests)

Batch Number: xxx

Expiry Date: 00/00

Protocol:

Mix cells with 20 μ l *Free-IT Reagent*

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 cycling, all of the *Free-IT* / 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.

(Note – Free-IT 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)