



## MegaMix-Blue

Ready to use PCR mix

Containing *Taq* polymerase (recombinant) in 1.1x reaction buffer (2.75 mM  $\text{MgCl}_2$ ) with 220  $\mu\text{M}$  dNTPs, blue agarose loading dye & stabiliser

**For instant and accurate PCRs**

### Protocol

Thaw the MegaMix-Blue

Add the desired volume (47  $\mu\text{l}$  or less) into the PCR tube\*

Add DNA (1 to 2  $\mu\text{l}$ ) and primers (0.5 to 1  $\mu\text{l}$  of each from  $\sim 10 \mu\text{M}$  stock)

Overlay with mineral oil if necessary

Place in a Thermal Cycler

### Cycling profile (guide only)

Initial denaturation step: 95°C for 3 mins

Then cycle 25 - 30 times:

Step 1: 95°C for 30 secs

Step 2: Optimal annealing temp. of primers for  
30 to 60 secs

Step 3: 72°C for 45 to 60 secs

Cool to room temperature

*A genuine Microzone product, made in the UK*

After PCR, samples can be loaded direct onto the agarose gel

**NO GEL LOADING BUFFER REQUIRED**

\*Refreeze the rest of the MegaMix-Blue. It can be frozen/thawed many times without loss of activity

### Related Products

**100 bp DNA ladder** = An agarose size standard supplied 'ready to load' in room temperature stable loading buffer

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

**Just Water** = Molecular grade water in handy sizes

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

**For Research Only**