

# PROTOCOL

## MegaMix-Blue Ready to use PCR mix



Part Number: 2MMB  
Version: 1.0  
Storage: Store -20°C  
Batch Number: Marked on tube

Supplied as a blue solution in multiple of 1 ml aliquots

Containing Taq polymerase (recombinant) in 1.1x reaction buffer (2.75 mM MgCl<sub>2</sub>) with 220 μM dNTPs, blue agarose loading dye & stabilizer

For instant and accurate PCRs

### Protocol

Thaw the MegaMix-Blue

Add the desired volume (47 μl or less) into the PCR tube\*

Add DNA (1 to 2 μl) and primers (0.5 to 1 μl of each from ~10 μM 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

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

100bp 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