Microzone Ltd

OK Kit! Tests the performance of your Thermal Cycler

Tube 1: OK Mix	Tube 2: DNA/Primers
Volume: 2 x 1.25 ml	Volume: 250 µl
Colour of lid: Yellow	Colour of lid: Green

Protocol:

Transfer 23 µl of OK Mix* (**Tube 1**) into the PCR tube. Add 2 µl DNA/Primers (**Tube 2**).
Overlay with mineral oil if necessary.
Place in a Thermal Cycler
Set the Thermal Cycler to **ramp at medium rate** (1.2 to 2.5°C/sec)

Cycling profile:

Initial denaturation step: 95°C for 3 mins

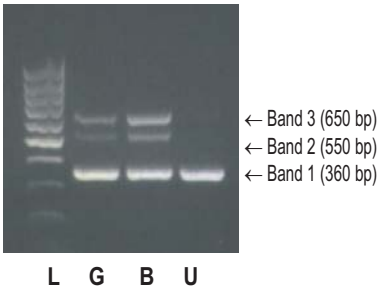
Then cycle 31 times:

Step 1: 95°C for 30 secs
Step 2: 65°C for 60 secs
Step 3: 72°C for 60 secs

After cycling, load 10 µl onto 1.7% agarose gel and electrophorese alongside a100 bp DNA ladder.

Expected fragment sizes:

360 bp, 550 bp and 650 bp. The 360 bp (band 1) fragment should be the brightest, then the 650 (band 3) and then the 550 bp (band 2) as shown in lane G in photo below.
NOTE: This profile is based on batch 0506-1 only. It is different from other batches.



L = 100 bp ladder
G = Good (machine OK!)
B = Bad (machine drops below required temperature)
U = Ugly (machine doesn't reach required temperature)

*This product is sold under licensing arrangements between Appligene Oncor and F. Hoffmann-La Roche Ltd., Roche Molecular Systems Inc. and Perkin-Elmer Corporation

Store at -20°C

For Research Only