Improved

OK Kit! Tests the performance of your Thermal Cycler

Catalogue Number:	2OK-100	
Batch Number:	0906-1	
Expiry Date:	Sept 2008	
	Tube 1 (yellow lid)	Tube 2 (green lid)
Volume:	2 x 1.25 ml	250 µl

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 5 mins

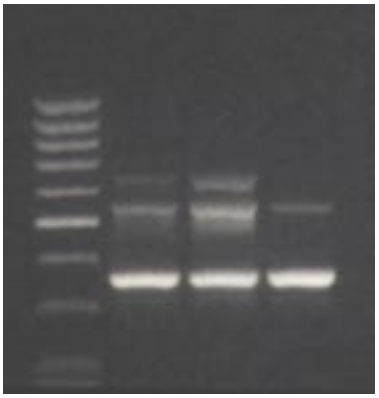
Then cycle 31 times:

Step 1: 95°C for 30 secs
Step 2: 66°C for 60 secs
Step 3: 72°C for 60 secs

After cycling, load 10 µl onto 1.7% agarose gel and electrophorese alongside a 100 bp DNA ladder.

Expected fragment sizes:

360 bp, 550 bp and 650 bp.



L G B U

Top band = 650 bp
Middle band = 550 bp
Bottom band = 360 bp

L = 100 bp DNA ladder

G = Good machine: - Top band just visible. Machine cooling correctly

B = Bad machine: - Middle and top band too strong. Machine cooling below the required annealing temp.

U = Ugly machine: - No top band and middle band very faint. Machine not cooling to the required annealing temp.

NOTE: This profile is based on batch 0906-1 only

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Store at -20°C

For Research Only