

Labelling of Probes by PCR

Using DOP PCR

Components required per reaction

<u>Components</u>	<u>Volume (µl)</u>
PCR buffer	10
DOP Primer (50µM)	4
dNTP dA, C, G (2.5mM)	8
dTTP (1mM)	16
Biotin-16-dUTP (1mM)	4
SuperTaq (15 U/µl)	0.8
DNA (probe)	2
H ₂ O	55.2
Total	100 µl

PCR Profile

Step 1 (1x):	94°C	3mins
Step 2 (25x):	94°C	1min
	62°C	1min
	72°C	1.5mins
Step 3 (1x):	72°C	8mins

Our PCR buffer contains 17.5 mM MgCl₂, 300 mM Tris-HCl and 75 mM ammonium sulphate at pH 8.5 in 1.2 ml of buffer but concentrations can vary depending on supplier.