

# Exo AP

## Description

This is a cheap method to clean PCR product before Sequencing or Genotyping, at 2013 prices it is about 9 cents AUD per reaction. Exonuclease I removes residual single-stranded primers and any extraneous single-stranded DNA produced in the PCR. Antarctic Phosphatase removes the remaining dNTPs from the PCR mixture.

## What you need

1. [Exonuclease 1](#)
2. [Antarctic Phosphatase](#)

both available from [Genesearch](#)

## Protocol

Reaction mixes for 100 Samples:

Exonuclease 1 (20 U/ $\mu$ l):	5 $\mu$ l
Buffer:	10 $\mu$ l
ddH <sub>2</sub> O:	90 $\mu$ l
Total:	105 $\mu$ l

Antarctic Phosphatase (AP) (5 U/ $\mu$ l):	20 $\mu$ l
Buffer:	10 $\mu$ l
ddH <sub>2</sub> O:	75 $\mu$ l
Total:	105 $\mu$ l

Make these up in bulk and freeze the two mixes (EXO and AP)

Mix Pools together & Add 2 $\mu$ l per sample (1U each enzyme)

THERMOCYCLER:

37°C for 20 mins

80°C for 10 mins