

Xpert Exo/SAP 1tube

#GK28.0500 (500 rxns) | GK28.2000 (2000 rxns) | GK28s (trial size)
(FOR RESEARCH ONLY)



Product: The Xpert Exo/SAP 1tube is an enzymatic PCR Clean-Up kit, comprising Exonuclease I (Exo I produced in *E.coli*) and recombinant Shrimp Alkaline Phosphatase (rSAP, produced in *Pichia pastoris*) in an optimal molar ratio. Unused primers are hydrolyzed by Exo I, whilst rSAP dephosphorylates excess dNTPs.

Xpert Exo/SAP 1tube is designed to degrade dNTPs and primers in a single reaction tube in only 5 minutes. Both enzymes are subsequently heat-inactivated and DNA is ready for sequencing in 15 minutes. No further treatment is required and recovery is 100%, even for very short PCR products. The PCR product itself is left completely intact, independent of its size and sequence.

Applications: PCR Clean-up

Content: #GK28.0500 comprises 1 ml of Exo/SAP 1tube (500 rxns) whereas GK28.2000 comprises 4x 1ml of Exo/SAP 1tube (500 rxns) for a total of 2000 rxns. #GK28s is a trial sample (20 rxns).

Component	GK28.0500	GK28.2000	GK28s
Xpert Exo/SAP 1tube	1ml	4x 1ml	40 µl

Storage: Store all components at -20°C.

Usage:

- 1) Transfer 5µl of PCR product to a new tube
- 2) Add 2µl of Xpert Exo/SAP 1tube to the PCR product
- 3) Incubate at 37°C for 5 minutes
(it is not recommended to decrease incubation time to ensure robust purification and minimizing subsequent sequencing errors)
- 4) Heat-inactivate at 80°C for 10 minutes

The purified PCR product can be used for DNA sequencing reaction immediately!