

EnzSAP™ PCR Clean-up Reagent

PRODUCT	CATALOG #	PURIFICATIONS
EnzSAP Reagent	EnzSAP-500	500
EnzSAP Reagent	EnzSAP-20	20

Description

The *EnzSAP* Reagent is comprised of two hydrolytic enzymes, recombinant Shrimp Alkaline Phosphatase (rSAP) and Exonuclease I (Exo I). The combination of these enzymes ensures complete dephosphorylation of unincorporated dNTPs and degradation of residual primers, enabling Sanger sequencing and other downstream applications. The reagents are active in commonly used PCR buffers, which eliminates the need for buffer exchange.

COMPONENT	EnzSAP-500
EnzSAP	1 tube (1,000 µL)

Equipment and Materials Required

1. Microcentrifuge tubes
2. Incubator
3. Water bath

Storage Condition

Store at –15 to –30 °C. See product label for expiration date.

Recommended Protocol

1. Transfer 5 µL of a finished PCR reaction to a new microcentrifuge tube
2. Add 2 µL of *EnzSAP* solution
3. Incubate at 37°C for 5 minutes
4. Heat inactivate at 80°C for 10 minutes
5. Proceed directly with subsequent reaction
 - *EnzSAP* can be added directly into the PCR product, followed by 5 minute incubation at 37°C. Inactivation of both enzymes is achieved in only 10 minutes at 80°C. PCR products are immediately ready for downstream applications without any need for further processing.