CREATIVE BIOMART®
Assay Kit

PCR Quick Screening Kit

Product Information

Cat.No. Kit-0664

Product Overview

PCR Quick Screening Kit is used for quickly screeing clone candidates and identifyng correct inserts.

Description

Identification of clones that contain the desired DNA insert is an essential step in molecular cloning procedure. Traditional methods for identifying the correct DNA inserts require growing up individual colonies, isolating plasmid DNAs, and then digesting with restriction enzymes to analyze each individual clone. Such traditional procedures are very time consuming, laborious, and expensive. The PCR Quick Screening Kit is designed to quickly screen clone candidates using PCR technology. The procedure allows screen of colonies directly from plate, without growing up the cultures. The proprietary Cell Lysis Buffer provided with the kit can efficiently lyse cells (bacteria or yeast) without interfering with PCR reactions. The PCR Enhancer included in the kit allows amplification of hairpin structure or GC-rich region efficiently. PCR products can be directly analyzed on an agarose gel without enzyme digestions. The kit provides a simple, convenient, and economical way to identify correct inserts. It is also suitable for screening large numbers of colonies.

Usage

For research use only (RUO)

Storage

Store the kit at -20°C.

Kit Components

Insert Finder Lysis Buffe. Cap code: red. 0.6 ml10X PCR Buffer. Cap code: clear. 1.1 mldNTP. Cap code: violet. 1.1 mlTaq DNA Polymerase. Cap code: green. 250 unitsPCR Enhancer. Cap code: blue. 0.6 ml

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