



qPCR PANEL REAGENT PACK

HANDBOOK

For Research Use Only. Not intended for diagnostic use.

CAT NO: YSPL-Rg

For use with YouSeq qPCR panels

VERSION 3.0

Please note: qPCR Panel Reagent packs are specific to a designated YouSeq qPCR panel and cannot be used interchangeably with other YouSeq panels



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INTENDED USE

The qPCR Panel Reagent Pack provides essential controls to support the sample testing with YouSeq qPCR panels. These controls help verify assay performance and ensure reliable results.

This product is designed to be used by trained professionals in a suitable molecular biology laboratory.

CONTENTS

The quantity of each component included is variable and is based on the intended qPCR panel being used.

Component	Cap Colour	Volume
Positive Control		500 μ L *
Template Resuspension Buffer (TRB)		1.5 mL
DNase/RNase Free Water		1.5 mL

* Supplied dried - requires resuspension. See instructions in resuspension section.

COMPATIBLE WITH

Component	Plate Size
Primer/probe qPCR Plate	96 or 384 well plates

BEST PRACTICE

Decontamination:

Before beginning laboratory work, thoroughly decontaminate any work surfaces and pipettes being used, to eliminate potential contamination.

General use and set-up:

All components should be fully defrosted with contents at the bottom of the tube before opening. To ensure contents are at the bottom, centrifuge or gently tap the tube. After use, reagents should be returned to the freezer.

After any reagents are resuspended or combined, the tube should be pulse vortexed to ensure it is mixed well.

Set-up environments:

It is best practice to resuspend Positive Control(s) in a PCR (template) lab.

BENCH SIDE PROTOCOL

RESUSPENSION

Before first use, resuspend the designated component with the correct reagent and specified volume, as per the table below:

1. Add the resuspension reagent and pulse vortex the tube to ensure it is mixed well.

Component	Reagent	Volume	Location
Positive Control	TRB	500 µL	PCR lab

USE OF POSITIVE CONTROL

At the relevant step of the qPCR reaction set up, add 5 µL of the resuspended Positive Control into the required tube or well(s). See corresponding YouSeq qPCR Panel handbook for further details.

Please note: The Positive Control is a contamination risk and should be handled in a designated template or PCR lab.

PRODUCT SPECIFICATIONS

Control Material

YouSeq control material consists of synthetic nucleic acid representing the genomic regions targeted by the assays in the corresponding YouSeq qPCR panel. As a result, the positive control is specific to its designated panel and cannot be used interchangeably with other panels.

Storage

Store at -20°C from arrival. The products shelf life is outlined as an expiry date on the pouch label.

Regulatory Status

This product has been developed for Research Use Only (RUO) and is not intended for diagnostic use. It should not be used for diagnosis of disease or infection unless specifically approved by the regulatory authorities in the country of use.

Quality Control

In accordance with the YouSeq Ltd ISO EN 13485-certified Quality Management System, each lot of YouSeq qPCR Panel Reagent Pack is tested against predetermined specifications to ensure consistent product quality.

Technical Assistance

For customer support, please contact:

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