

Countable Matrix Kit (KT0003)




For Research Use Only. Not for use in diagnostic procedures.

Description

The Countable Matrix Kit (KT0003) contains the reagents required to generate the Countable Matrix — a structured, optically transparent gel that isolates single target molecules for amplification in Countable PCR workflows. These reagents are designed to sequentially layer and undergo gelation during centrifugation, forming a uniform 3D matrix inside a sealed PCR tube. When used in combination with the Countable Matrix Consumables Kit (KT0001) and the Countable Swing Bucket Kit (KT0002), this setup enables single-molecule resolution and high-precision quantification.

This reagent set is optimized for use with the Countable System (IM0001) for downstream 3D imaging and quantification.

Kit Contents

Component	Catalog #	Quantity
 MR01 Matrix Reagent	PR0001	1 × 16 mL
 MR02 Matrix Reagent	PR0002	1 × 27 mL
 MR03 Matrix Reagent	PR0003	1 × 18 mL

Supports up to 192 Countable PCR reactions per kit (50 µL each).

Storage and Stability

- Store at ambient temperature (18°C to 25°C)
- Do not freeze
- Shelf life: 2 years from date of manufacture

Handling Instructions

- Avoid heavy shaking of reagent bottles
- MR02 Matrix Reagent must be vortexed thoroughly before each use

Workflow Overview

See Countable PCR Setup Guide

Safety Information

This kit contains flammable hazardous materials. Refer to the Safety Data Sheet. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash hands with soap and water after handling. Handle at room temperature and use in accordance with standard lab safety practices.

Additional Information

For a full usage and assay setup, refer to the Countable PCR Setup Guide.

For technical support, contact success@countablelabs.com.

For order assistance, contact order@countablelabs.com.

Visit www.countablelabs.com.