

Countable Matrix Consumables Kit (KT0001)

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

Description

Countable Matrix Consumables Kit (KT0001) provides single-use plastics designed for the generation of the Countable Matrix in Countable PCR workflows. This kit is intended for use with the Countable Swing Buckets Kit (KT0002) and Countable Matrix Kit (KT0003), enabling gel matrix formation through centrifugation. Intended for use with the Countable System (IM0001) for downstream 3D imaging and quantification.

Each Matrix Column Strip fits into a Matrix Tube Strip and enables a sealed, single-tube reaction format ideal for high-volume sample processing and single-molecule isolation. Each Matrix Tube Strip includes a unique 1D strip barcode designed for laboratories with sample tracking requirements. The Countable Matrix Consumables Kit is designed to minimize dead volume and contamination risk while supporting the formation of structured, compartmentalized gel matrices.

Kit Contents

Component	Catalog #	Quantity
Matrix Column Strips	KT0001A	48
Matrix Column Strip Seals	KT0001B	60
Matrix Tube Strips	KT0001C	48
Matrix Tube Strip Caps	KT0001D	48

Supports up to 192 Countable PCR reactions per kit (4 reactions per strip).

Storage and Stability

- Store at ambient temperature (18°C - 25°C)
- Keep away from direct light and moisture
- Shelf life: 2 years from date of manufacture if stored in intact packaging

Handling Instructions

To ensure successful matrix formation and optimal imaging:

- Keep Tube Strips upright to preserve layer integrity
- Avoid shaking, vortexing, dropping or tilting tubes once reagents are added
- Wipe the outer tube walls with lint-free wipes prior to and after imaging
- Use barrier pipette tips and fresh consumables to avoid contamination
- Reseal open peel packs to minimize airborne dust or fiber exposure

Workflow Overview

See Countable PCR Setup Guide

Safety Information

This kit does not contain hazardous materials. Use in accordance with standard lab safety practices.

Additional Information

For a usage and 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.