RNAsky™ Sample Preparation Kit

Order no. 130-134-682

Contents

1. Description
   - 1.1 Background information
   - 1.2 Applications
   - 1.3 Reagent and instrument requirements
2. Protocol

1. Description

This product is for research use only.

Components	**2.2 mL Buffer A**
	7.8 mL Buffer B
	104 µL Stability Enzyme
	40 µL Ligation Enzyme
	200 µL Ligation Buffer
	40 µL Blocking Reagent
	1.9 mL Amplification Buffer
	90 µL Amplification Primer
	100 µL Amplification Enzyme
	16 µL Fixation Reagent
Capacity	Eight reactions in MACSwell Four Imaging Frames or four reactions in MACSwell One Small Imaging Frames. Refer to the protocol for more information.
Storage	Store protected from light at –20 °C. The expiration date is indicated on the vial label.

1.1 Background information

The RNAsky Assay enables spatial detection of RNA targets using the MACSima System. The MACSima System is a fully automated instrument capable of same-section high-plex protein and RNA detection using the MACSima Imaging Cyclic Staining (MICS) technology.

The RNAsky Sample Preparation Kit is used for the molecular preparation of samples for an RNAsky Assay prior to an RNAsky Experiment on the MACSima System. It contains all enzymes, buffers, and accessory oligonucleotides required for the molecular preparation of the samples. The RNAsky Sample Preparation Kit is compatible with all RNAsky Panels.

1.2 Reagent and instrument requirements

- MACSima System (# 130-121-164)
- MACSima System Buffer (# 130-125-315)
- MACSwell™ Four Imaging Frames (# 130-124-676) or MACSwell One Small Imaging Frames (# 130-126-794)
- MACSwell HighRes Slides (# 130-126-799)
- RNAsky IO Panel, human (# 130-134-683)
- RNAsky Support Kit (# 130-134-684)

2. Protocol

The detailed protocol for the preparation of FFPE tissue samples before molecular preparation and subsequent RNA detection on the MACSima System using RNAsky is available at www.miltenyibiotec.com/RNAsky-sample-prep-FFPE.

The detailed protocol for molecular preparation of samples for RNA detection on the MACSima Platform using RNAsky is available at www.miltenyibiotec.com/RNAsky-user-guide.

Refer to **www.miltenyibiotec.com** for all data sheets and protocols. Miltenyi Biotec provides technical support worldwide. Visit www.miltenyibiotec.com for local Miltenyi Biotec Technical Support contact information.

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