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BaseScope™ Duplex Reagent Kit – Product Insert

Description

Use the BaseScope™ Duplex Reagent Kit (Cat. No.323800), along with the BaseScope™ Probes–New Target Probes C1 and C2, for highly sensitive, semi-quantitative *in situ* detection of RNA in slide-mounted samples. Each kit contains sufficient reagents in a convenient, Ready-To-Use (RTU) format to perform 20 slides. You can view the results of the assay using a standard bright field microscope.

Contents and Storage

The components of the BaseScope™ Duplex Reagent Kit and quantities supplied are listed in the following table. The reagents have a shelf life until the expiration date printed on the reagent label. Follow the storage conditions specified on the label to maintain reagent reliability.

Cat. No.	Sub-Kit	Component	Quantity	Storage
322381	RNAscope® H ₂ O ₂ and Protease Reagents	RNAscope® Hydrogen Peroxide	4 mL x 2 bottles	2–8°C
		RNAscope® Protease III*	4.5 mL x 2 bottles	2–8°C
		RNAscope® Protease Plus	4.5 mL x 2 bottle	2–8°C
		RNAscope® Protease IV*	4.5 mL x 2 bottle	2–8°C
322000	RNAscope® Target Retrieval Reagents	RNAscope® Target Retrieval (10X)	70 mL x 4 bottles	15–30°C
323810	BaseScope™ Duplex Detection Reagents	BaseScope™ Duplex AMP 1	3 mL x 1 bottle	2–8°C
		BaseScope™ Duplex AMP 2	3 mL x 1 bottle	2–8°C
		BaseScope™ Duplex AMP 3	4.5 mL x 1 bottle	2–8°C
		BaseScope™ Duplex AMP 4	3 mL x 1 bottle	2–8°C
		BaseScope™ Duplex AMP 5	3 mL x 1 bottle	2–8°C
		BaseScope™ Duplex AMP 6	4.5 mL x 1 bottle	2–8°C
		BaseScope™ Duplex AMP 7	4.5 mL x 1 bottle	2–8°C
		BaseScope™ Duplex AMP 8	3 mL x 1 bottle	2–8°C
		BaseScope™ Duplex AMP 9	3 mL x 1 bottle	2–8°C
		BaseScope™ Duplex AMP 10	4.5 mL x 1 bottle	2–8°C
		BaseScope™ Duplex AMP 11	4.5 mL x 1 bottle	2–8°C
		BaseScope™ Duplex AMP 12	3 mL x 1 bottle	2–8°C
		BaseScope™ Fast RED-A	3 mL x 1 bottle	2–8°C
		BaseScope™ Fast RED-B	50 µL x 1 vial	2–8°C
310091	RNAscope® Wash Buffer Reagents	RNAscope® Wash Buffer (50X)	60 mL x 4 bottles	15–30°C

*Use RNAscope® Protease III with FFPE cell pellet or more fragile samples. Use RNAscope® Protease IV for FFPE tissue types and other sample types.

IMPORTANT! BaseScope™ Duplex Reagent Kits share the same Wash Buffer, but have unique Detection Reagents and Pretreatment Reagents based on different tissue types. Do not interchange the reagent components of the Detection Reagents, even those having the same name. Refer to the latest versions of user manuals Part 1 for Sample Preparation and Part 2 for the BaseScope™ Detection Assay available online at <http://www.acdbio.com/technical-support/downloads>.

Precautions

Handle biological specimens and other materials according to local laboratory guidelines and regulations. Avoid cross-contamination of samples and reagents to ensure quality results. Use equipment and reagents as specified by the manufacturer. For safety and biohazard guidelines, refer to the “Safety” section in the user manual. For every chemical, read the Material Safety Data Sheets (MSDSs) and follow the handling instructions available at <https://acdbio.com/documents/product-documents>. Wear appropriate protective eyewear, clothing, and gloves.

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