

# RNAscope® Multiplex Fluorescent Reagent Kit V2

**Description**

Use the RNAscope® Multiplex Fluorescent Reagent Kit V2 (Cat. No.323100) along with the RNAscope® Probe – New Target Probe (Cat. No. Various) for simultaneous *in situ* detection of two RNA targets in slide-mounted samples. Each kit contains sufficient reagents in a convenient, Ready-To-Use (RTU) format to perform 20 slides/tests. The results of the assay can be viewed using a standard bright field microscope.

**Contents and Storage**

The components of the RNAscope® Multiplex Fluorescent Reagent Kit V2 and quantities supplied are listed in the following table. The contents have a shelf life until the date of expiration indicated on the reagent label. It is important to follow the product storage conditions as specified on the label so that the reagents maintain their reliability.

| Cat. No. | Sub-Kit   | Component                             | Quantity          | Storage  |
|----------|---|---------------------------------------|-------------------|----------|
| 322281   | RNAscope® H <sub>2</sub> O <sub>2</sub> & Protease reagents | RNAscope® Hydrogen Peroxide           | 4 mL x 2 bottles  | 2–8 °C   |
|          |   | RNAscope® Protease Plus               | 4.5 mL x 2 bottle | 2–8 °C   |
|          |   | RNAscope® Protease III*               | 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            | 70 mL x 4 bottles | 15–30 °C |
| 323110   | RNAscope® Multiplex Fluorescent Detection Reagents V2       | RNAscope® Multiplex FL V2 AMP 1       | 3 mL x 1 bottle   | 2–8 °C   |
|          |   | RNAscope® Multiplex FL V2 AMP 2       | 3 mL x 1 bottle   | 2–8 °C   |
|          |   | RNAscope® Multiplex FL V2 AMP 3       | 4.5 mL x 1 bottle | 2–8 °C   |
|          |   | RNAscope® Multiplex FL V2 HRP-C1      | 4.5 mL x 1 bottle | 2–8 °C   |
|          |   | RNAscope® Multiplex FL V2 HRP-C2      | 4.5 mL x 1 bottle | 2–8 °C   |
|          |   | RNAscope® Multiplex FL V2 HRP-C3      | 4.5 mL x 1 bottle | 2–8 °C   |
|          |   | RNAscope® Multiplex FL V2 HRP blocker | 4.5 mL x 3 bottle | 2–8 °C   |
|          |   | RNAscope® Multiplex FL V2 DAPI        | 3 mL x 1 bottle   | 2–8 °C   |
| 322809   |   | RNAscope® Multiplex TSA Buffer        | 29 mL x 1 bottle  | 2–8 °C   |
| 310091   | RNAscope® Wash Buffer Reagents                              | RNAscope® Wash Buffer (50X)           | 60 mL x 4 bottles | 15–30 °C |

\*Use RNAscope® Protease III for fresh frozen tissues.

**Precautions**

**IMPORTANT!** RNAscope® Reagent Kits share the same RNAscope® Wash Buffer Reagents, but have unique RNAscope® Detection Reagents and RNAscope® Pretreat Reagents based on different tissue types. Do not interchange the reagent components of the RNAscope® 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 RNAscope® Detection Assay available online at <http://www.acdbio.com/technical-support/downloads>.

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 *RNAscope® Multiplex Fluorescent Reagent Kit V2 Tech Note* (Doc. No. 323100-TN). For every chemical, read the Safety Data Sheets (SDSs) and follow the handling instructions available at <http://www.acdbio.com/technical-support/downloads/technical-doc/category/msds>. Wear appropriate protective eyewear, clothing, and gloves.

**Contact Information**

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