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# MANUAL ASSAYS: RNAscope® Fluorescent Multiplex Assay

CHK 47-005

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## Reagents/Materials required from ACD

- RNAscope Target Probes in C1, C2 and C3 Channels
- RNAscope 3-Plex Positive Control Probes targeting common housekeeping genes to help qualify samples and interpret assay results.
- RNAscope 3-Plex Negative Control Probe targeting the bacterial gene *dapB* to control for background noise and to help interpret assay results.
- RNAscope Fluorescent Reagent Kit Cat No. 320850 consisting of a pretreatment kit (for Fresh Frozen samples), a detection kit and wash buffer.
- HybEZ™ Hybridization System with ACD EZ-Batch Slide System (321461, 321462) is required for RNAscope hybridization to maintain optimum humidity and temperature at 40°C.
- RNAscope Control Slides – Human Cell Pellet Cat. No. 310045, or Mouse 3T3 Cell Pellet Cat. No. 310023.
- ImmEdge Hydrophobic Barrier Pen (Cat. No. 310018) is the only pen that will maintain a hydrophobic barrier throughout the RNAscope procedure. No other pen should be used.



## Reagents/Materials provided by Researcher

## CHECKLIST

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- Superfrost® Plus slides (Fisher Scientific): Superfrost Plus slides are required. Other slide types may result in tissue detachment.
- Prolong Gold Anti-Fade (w/o DAPI) for RNAscope Fluorescent Multiplex Assay.
- Fresh reagents (e.g. ethanol and xylene).
- Fresh 10% NBF (neutral-buffered formalin).
- Hotplate, drying oven, water bath, thermometer, microscope, etc.
- Paraffin wax, microtome, fume hood.

**Note:** Always refer to the latest version of the user manuals for the complete set of materials required to run the RNAscope assay available at <http://www.acdbio.com/technical-support/user-manuals>.

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