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# Checklist for Manual RNAscope<sup>®</sup> 2.5 HD Red

Doc. No. CHK 47-003

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## Reagents/Materials required from ACD

- RNAscope Target Probes in Channel C1.
- RNAscope Positive Control Probes targeting common housekeeping genes to help qualify samples and interpret assay results.
- RNAscope Negative Control Probe (Cat. No. 310043). The probe targets the bacterial dapB gene to control for background noise, and to help interpret assay results.
- RNAscope<sup>®</sup> 2.5 HD Reagent Kit– RED (Cat No. 322350). The kit contains a pretreatment kit for FFPE samples, a detection kit, and wash buffer.
- HybEZ<sup>™</sup> Hybridization System with ACD EZ-Batch Slide System I or II (Cat. Nos. 321461 and 321462; Cat. Nos. 321711 and 321721). The system maintains optimum humidity and temperature at 40°C during RNAscope hybridization.
- RNAscope Control Slides (Cat. No. 310045 for Human Cell Pellet; Cat. No. 310023 for Mouse 3T3 Cell Pellet).
- ImmEdge<sup>™</sup> Hydrophobic Barrier Pen (Cat. No. 310018) is the only pen that will maintain a hydrophobic barrier throughout the RNAscope procedure. Do not use any other pen.
- EcoMount mounting media is required for the RNAscope 2.5 Red Assay. Do not use any other mounting media.



## Reagents/Materials provided by Researcher

- Superfrost<sup>®</sup> Plus slides (Fisher Scientific) are required. Other slide types may result in tissue detachment.
- Gill's Hematoxylin I: dilute 1:1 with distilled water for counter staining.
- Fresh reagents (e.g. ethanol and xylene).
- Fresh 10% NBF (neutral-buffered formalin).
- Ammonium Hydroxide, effective concentration 0.02% (w/v)

- Hotplate, drying oven, water bath, thermometer, and microscope.
- Paraffin wax, microtome, and 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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