

AUTOMATED ASSAY: RNAscope® 2.5 Automated Assay on Leica Biosystems' BOND RX System

Doc. No. 322455-CKL-LS



Reagents/Materials required from Leica Biosystems

- BOND Polymer Refine Detection (DAB or Red) and Hematoxylin. These kits (Cat. Nos. DS9800 or DS9390) contain prefilled DAB or Red, and Hematoxylin reagents.
- BOND Open Containers. Fill these containers (Cat. No. Op309700) with reagents from the RNAscope LS Reagent Kit.
- BOND Universal Covertiles. Cat. No. S21.2001.
- BOND Dewax Solution. Place solution (Cat. No. AR9222) in one of the large containers located in the bottom of the instrument.
- BOND Epitope Retrieval Solution 1 and 2. Cat. Nos. AR9961 and AR9640.
- BOND Wash Solution 10X. Dilute solution (Cat. No. AR9590) 1:10 and place in one of the large containers located in the bottom of the instrument.
- BOND Aspirating Probe Cleaning System. Cat. No. CS9100.
- BOND Mixing Stations. Cat. No. S21.1971. Replace every month.
- BDZ 9.0 software



Reagents/Materials required from ACD for RNAscope

- RNAscope 2.5 LS Reagent Kit – BROWN (Cat. No. 322100). Contains all the detection and pretreatment reagents needed to run the RNAscope assay on the Leica BOND RX, except the RNA-specific probes.
- RNAscope 2.5 LS Positive Control Probe targeting common housekeeping gene to help qualify your samples and interpret your results (for Human – Hs UbC -312028, Hs PPIB 313908 or Hs Polr2a 310458; for Mouse – Mm Ubc 310778, Mm ppib 313918, or Mm polr2a 312478).
- RNAscope 2.5 LS Negative Control Probe targeting bacterial gene dapB gene to control for background noise and to help interpret assay results. Cat. No. 312038.
- RNAscope 2.5 LS Target Probes targeting specific RNAs of interest.
- RNAscope Control Slides – Human Cell Pellet Cat. No. 310045, or Mouse 3T3 Cell Pellet Cat. No. 310023.

CHECKLIST

- Ecomount* (For LS Red Assay)
 - Ecomount Mounting media is a must-have reagent for the RNAscope LS Red assay; no other mounting media can be used
- Software protocols created for each probe (workaround)



Reagents/Materials provided by Researcher

- Superfrost® Plus slides required to run the slides.
- Fresh reagents (e.g. ethanol and xylene).
- Fresh 10% NBF (neutral-buffered formalin).
- Tissue-Tek® slide rack and staining dishes.
- Cytoseal XYL, xylene based mounting medium.
- 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>.

CHECKLIST

© 2015 Advanced Cell Diagnostics. All rights reserved. RNAscope® is a trademark of Advanced Cell Diagnostics, Inc. Leica BOND RX is a registered trademark of Leica Biosystems. All other trademarks belong to their respective owners.