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# BaseScope™ LS Automated Assay on Leica Biosystems' BOND RX System

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Doc. No. CHK 47-013



## Reagents/Materials required from Leica Biosystems

- BOND Polymer Red Refine Detection Kit (Cat. No. DS9390)
  - This kit contains prefilled Red chromogen and Hematoxylin reagents
- BOND 30ml Open Containers (Cat. No. Op309700) –minimum 20 required
  - Fill these containers with reagents from the BaseScope™ LS Reagent Kit
- BOND Universal Covertiles (Cat. No. S21.2001)
- BOND Dewax Solution (Cat. No. AR9222)
- BOND Epitope Retrieval Solution 2 (Cat. No. AR9640)
- BOND Epitope Retrieval Solution 1 (Cat. No. AR9961)
- BOND Wash Solution 10X (Cat. No. AR9590)
  - Dilute the solution 1:10 and place in Bond Wash bulk container 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/BXD Software version 15.



## Reagents/Materials required from ACD for BaseScope

- BaseScope™ LS Reagent Kit (Cat. No. 323600)
  - Contains detection and pretreatment reagents that are needed to run the assay on the Leica BOND RX, except for probes.
- BaseScope™ LS Target Probes targeting specific RNAs of interest
- BaseScope™ LS Positive Control Probe targeting common housekeeping genes.
  - For 1ZZ target probes, choose 1ZZ control probes. For 2ZZ and 3ZZ target probes, choose 3ZZ control probes.

- Human: BaseScope™ LS Probe - BA-Hs-PPIB-1ZZ (Cat No. 710178); PPIB-3ZZ (Cat. No. 701038)
- Mouse: BaseScope™ LS Probe - BA-Mm-Ppib-1 ZZ (Cat No. 712358); Ppib-3ZZ (Cat. No. (701078).

BaseScope™ LS Negative Control Probe. Targets the bacterial *dapB* gene to control for background noise, and to help interpret assay results.

- BaseScope™ LS Negative Control Probe - DapB-1ZZ (Cat No. 701028)
- BaseScope™ LS Negative Control Probe - DapB-3ZZ (Cat No. 701018)

Probe Packs, available for Human and Mouse:

Cat# 323631 BaseScope™ LS Control Probe Pack-Human

- Hs-PPIB-1ZZ (Cat No. 710178)
- Hs-PPIB-3ZZ (Cat. No. 701038)
- DapB-1ZZ (Cat No. 701028)
- DapB-3ZZ (Cat No. 701018)

Cat# 323632 BaseScope™ LS Control Probe Pack-Mouse

- Mm- Ppib-1ZZ (Cat No. 712358)
- Mm-Ppib-3ZZ (Cat. No. 701078)
- DapB-1ZZ (Cat No. 701028)
- DapB-3ZZ (Cat No. 701018)

RNAscope® Control Slides. Choose the species needed:

- Human Cell Pellet (Cat. No. 310045)
- Mouse 3T3 Cell Pellet (Cat. No. 310023)



## Reagents/Materials provided by Researcher

- Superfrost™ Plus slides (Fisher Scientific): Superfrost Plus slides are required. Other slide types may result in tissue detachment.
- Fresh reagents (e.g. ethanol and xylene).
- Fresh 10% NBF (neutral-buffered formalin).
- Tissue-Tek® slide rack and staining dishes.
- Ecomount (required)
- Paraffin wax, microtome, fume hood, drying oven, and microscope.

**Note:** Always refer to the latest version of the user manuals for the complete set of materials required to run the BaseScope™ LS Assay available at <https://acdbio.com/technical-support/user-manuals>.