
BaseScope™ VS Automated Assay on the Ventana™ DISCOVERY™ ULTRA System

Doc. No. CHK 47-012



Reagents/Materials required from Ventana/Roche Diagnostics

- mRNA Sample Prep Dispenser Kit (Cat. No. 760-248; Ordering Code 08127166001)
 - mRNA Sample Prep Dispenser Kit contains 3 empty, user-fillable dispensers to be filled with ACD Sample Prep reagents
- mRNA RED Probe Amplification Kit (Cat. No. 760-236; Ordering Code 7095341001)
 - mRNA RED Probe Amplification Kit contains 7 empty, user-fillable dispensers to be filled with ACD reagents BaseScope™ VS Amps 1-7
- mRNA RED Detection Kit (Cat. No. 760-234; Ordering Code 7099037001)
 - mRNA RED Detection Reagents come pre-filled from Ventana™

IMPORTANT! Do not order the out-of-date Reagent Bundle Cat. No. 760-235. Please order the individual catalog numbers previously listed.

- 250 Test Option #8 Ancillary Dispenser (Cat. No.771-758; Ordering Code 05271916001)
 - Empty dispenser to be filled with ACD reagent BaseScope™ VS AMP 8
- 250 Test Probe #1, #2, #3...#20 (Cat. No. 960-761 to 960-785)
 - User-fillable probe dispensers for the negative control probe, positive control probe, and target probe. More dispensers can be ordered for additional target probes. See the Ventana™ website or contact the Ventana™ account manager for part numbers.
- Counterstain 1* (Cat. No. 771-741; Ordering Code 05271720001)
 - to be filled with ACD reagent VS Hematoxylin
- Counterstain 2* (Cat. No. 771-742; Ordering Code 05271738001)
 - to be filled with ACD reagent VS Bluing Reagent

* Any hematoxylin and bluing reagent of choice can be used with the Ventana™ counterstain reagent containers.

- DISCOVERY™ Wash Buffer (Cat. No. 950-510; Ordering Code 07311079001).
- ULTRA LCS (Predilute; Cat No. 650-210; Ordering Code 5424534001).
- 10X SSC Solution (Cat. No. 950-110; Ordering Code 05353947001). Required to run mRNA procedures on the DISCOVERY™ ULTRA.

- Reaction Buffer (10X; Cat No. 950-300; Ordering Code 5266262001).
- DISCOVERY[™] CC1 (Cat No. 950-500; Ordering Code 6414575001).
- mRNA Universal Protocol DISCOVERY[™] ULTRA (installed on controller by Roche FAS)



Reagents/Materials required from ACD for BaseScope

- BaseScope[™] VS Reagent Kit (Cat. No. 323700). Contains the following:
 - BaseScope[™] VS Detection Reagents (Cat. No. 323710): BaseScope[™] VS Amps 1-8 and BaseScope VS Protease
 - BaseScope[™] VS Universal Sample Prep Reagents v2 (Cat. No. 323740): VS Universal Target Retrieval v2 and Dewax
 - BaseScope[™] VS Accessory Kit (Cat. No. 320630): VS Hematoxylin and VS Bluing Reagent
- BaseScope[™] VS Target Probes targeting specific RNAs of interest.
- BaseScope[™] VS Positive Control Probe targeting common housekeeping genes. If target probe is 2ZZ or 3ZZ, select 3ZZ control probes. If target probe is 1ZZ probe target probe, select 1ZZ control probes. Choose the species needed:
 - Human: BaseScope[™] VS Probe – BA-Hs-PPIB-1ZZ (Cat No.710171); BaseScope[™] VS Positive Control Probe - Hs-PPIB-3ZZ (Cat. No. 701039)
 - Mouse: BaseScope[™] VS Probe – BA-Mm-Ppib-1ZZ (Cat No. 712359); BaseScope[™] VS Positive Control Probe -Mm-PPIB-3ZZ (Cat. No. 701079).
- BaseScope[™] VS Negative Control Probe. Targets the bacterial *dapB* gene to control for background noise, and to help interpret assay results. If target probe is 2ZZ or 3ZZ, select 3ZZ control probes. If target probe is 1ZZ probe target probe, select 1ZZ control probes.
 - BaseScope[™] VS Negative Control Probe - DapB-1ZZ (Cat No. 701029) BaseScope[™] VS Negative Control Probe - DapB-3ZZ (Cat No. 701019)
- 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.
- EcoMount. Required for use with the BaseScope™ VS Assay.
- Fresh reagents (e.g. ethanol and xylene)
- Dawn detergent
- Fresh 10% NBF (neutral-buffered formalin)
- Tissue-Tek® slide rack and staining dishes
- 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 BaseScope™ VS Assay available at <https://acdbio.com/technical-support/user-manuals>.