

# Protocol Summary

## Procedure: RUO DISCOVERY Universal ( v0.00.0394 )

### DISCOVERY ULTRA

Duke University Medical Center, 100 Trent Drive Durham, NC 27710

Validated: No		Active: Yes	
Protocol No	Protocol Name	Version	Creation Date
182	H3K Rb-Purple-HDAC2 Rb-Yellow Duplex	1	12/20/2022 10:09:12 AM

- 1 First Sequence [Selected]
- 2 Deparaffinization [Selected]
- 3 Warmup Slide to [69 Deg C], and Incubate for [8 Minutes] ( Cycle 1 )
- 4 Incubate for [8 Minutes] ( Cycle 2 )
- 5 Incubate for [8 Minutes] ( Cycle 3 )
- 6 Pretreatment [Selected]
- 7 Cell Conditioning [Selected]
- 8 CC1 Reservoir [Selected]
- 9 Warmup Slide to [100 Deg C], and Incubate for 4 Minutes ( Cell Conditioner #1 )
- 10 CC1 8 Min [Selected]
- 11 CC1 16 Min [Selected]
- 12 CC1 24 Min [Selected]
- 13 CC1 32 Min [Selected]
- 14 CC1 40 Min [Selected]
- 15 CC1 48 Min [Selected]
- 16 CC1 56 Min [Selected]
- 17 Inhibitor [Selected]
- 18 DISCOVERY Inhibitor [Selected]
- 19 Apply One Drop of DISC Inhibitor, and Incubate for [8 Minutes]
- 20 Antibody [Selected]
- 21 1st Antibody Manual Application [Selected]
- 22 Warmup Slide to [36 Deg C] from Very Low Temperatures ( Primary Antibody )
- 23 Hand Apply ( Primary Antibody ), and Incubate for [60 Minutes]
- 24 Linking Antibody [Selected]
- 25 2nd Antibody [Selected]
- 26 Warmup Slide to [36 Deg C] from Very Low Temperatures ( 2nd Antibody )
- 27 Apply One Drop of [Anti-Rabbit HQ] ( Detection #1 ), and Incubate for [0 Hr 12 Min]
- 28 Enzyme conjugate [Selected]
- 29 Apply One Drop of [Anti-HQ HRP] ( Conjugate #1 ), and Incubate for [12 Minutes]
- 30 DISCOVERY Purple [Selected]
- 31 Apply One Drop of DISC H2O2 P, and Incubate for [0 Hr 20 Min]
- 32 Dual Sequence [Selected]
- 33 Antibody Denaturation [Selected]
- 34 Warmup Slide to [95 Deg C], and Incubate for [4 Minutes] ( Denaturation #2 )
- 35 DS Inhibitor [Selected]
- 36 Neutralize [Selected]
- 37 DS Antibody [Selected]
- 38 DS Antibody Manual Application [Selected]
- 39 Warmup Slide to [36 Deg C] from Very Low Temperatures ( DS Primary Antibody )
- 40 Hand Apply ( DS Primary Antibody ), and Incubate for [60 Minutes]
- 41 DS Linking Antibody [Selected]
- 42 DS 2nd Antibody [Selected]

\* one drop is one reagent dispense

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Protocol No 182	Protocol Name H3K Rb-Purple-HDAC2 Rb-Yellow Duplex	Version 1	Creation Date 12/20/2022 10:09:12 AM

- 43 Warmup Slide to [36 Deg C] from Very Low Temperatures ( DS 2nd Antibody )
- 44 Apply One Drop of [Anti-Rabbit NP] ( Detection #4 ), and Incubate for [0 Hr 12 Min]
- 45 DS Enzyme conjugate [Selected]
- 46 Apply One Drop of [Anti-NP AP] ( Conjugate #2 ), and Incubate for [12 Minutes]
- 47 DS DISCOVERY Yellow [Selected]
- 48 Apply One Drop of Disco Yellow, and Incubate for [0 Hr 32 Min]
- 49 Counterstain [Selected]
- 50 Use RB for Counterstain [Selected]
- 51 Apply One Drop of [HEMATOXYLIN] ( Counterstain ), and Incubate for [4 Minutes]
- 52 Post Counterstain [Selected]
- 53 Use RB for Post Counterstain [Selected]
- 54 Apply One Drop of [BLUING REAGENT] ( Post Counterstain ), and Incubate for [4 Minutes]

\* one drop is one reagent dispense

Duke University Medical Center, 100 Trent Drive Durham, NC 27710  
VSS v12.5.4 Build 20234.1

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