

Protocol # 1 : T-PIT (02/07/2018)
Procedure: U ultraView DAB (v1.02.0018)

BenchMark ULTRA IHC/ISH Staining Module
University of Va Pathology, Lane Road Charlottesville, VA 22906

StepNo	ProcedureStep
1	Enable Mixers
2	Disable Mixers
3	[Set temperature to 72°C for Default]
4	Warmup Slide to [72 Deg C] from Medium Temperatures (Deparaffinization)
5	Incubate for 4 Minutes
6	Apply EZPrep Volume Adjust
7	Rinse Slide With EZ Prep
8	Apply EZPrep Volume Adjust
9	Apply Coverslip
10	Rinse Slide With EZ Prep
11	Apply EZPrep Volume Adjust
12	Apply Coverslip
13	Rinse Slide With EZ Prep
14	Apply Depar Volume Adjust
15	Apply Coverslip
16	Enable Mixers
17	Disable Slide Heater
18	Pause Point (Landing Zone)
19	[Short - 8 Minute Conditioning]
20	Rinse Slide With EZ Prep
21	Apply Long Cell Conditioner #1
22	Apply CC Coverslip Long
23	[Set temperature to 95°C for Default]
24	Warmup Slide to [95 Deg C], and Incubate for 8 Minutes (Cell Conditioner #1)
25	Apply Cell Conditioner #1
26	Apply CC Medium Coverslip No BB
27	Apply CC Medium Coverslip No BB
28	Apply Cell Conditioner #1
29	Apply CC Medium Coverslip No BB
30	[MILD]
31	Apply Cell Conditioner #1
32	Apply CC Medium Coverslip No BB
33	Apply Cell Conditioner #1
34	Apply CC Medium Coverslip No BB
35	Apply Cell Conditioner #1
36	Apply CC Medium Coverslip No BB
37	Apply Cell Conditioner #1
38	Apply CC Medium Coverslip No BB
39	Disable Slide Heater
40	Incubate for 8 Minutes
41	Rinse Slide With Reaction Buffer
42	Adjust Slide Volume With Reaction Buffer
43	Apply Coverslip
44	Rinse Slide With Reaction Buffer
45	Adjust Slide Volume With Reaction Buffer

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Procedure: U ultraView DAB (v1.02.0018)

BenchMark ULTRA IHC/ISH Staining Module
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T-PIT
1:2K

StepNo	ProcedureStep
46	Apply Coverslip
47	Pause Point (Landing Zone)
48	Warmup Slide to 36 Deg C
49	Rinse Slide With Reaction Buffer
50	Adjust Slide Volume With Reaction Buffer
51	Apply One Drop of H_2O_2 , Apply Coverslip, and Incubate for 4 Minutes
52	Rinse Slide With Reaction Buffer
53	Adjust Slide Volume With Reaction Buffer
54	Apply Coverslip
55	Warmup Slide to 36 Deg C, and Incubate for 4 Minutes
56	Rinse Slide With Reaction Buffer
57	Adjust Slide Volume With Reaction Buffer
58	Apply One Drop of [PREP KIT 1] (Antibody), Apply Coverslip, and Incubate for [0 Hr 32 Min]
59	Rinse Slide With Reaction Buffer
60	Adjust Slide Volume With Reaction Buffer
61	Apply Coverslip
62	Warmup Slide to 36 Deg C
63	Rinse Slide With Reaction Buffer
64	Adjust Slide Volume With Reaction Buffer
65	Apply One Drop of UV HRP UNIV MULT, Apply Coverslip, and Incubate for 8 Minutes
66	Rinse Slide With Reaction Buffer
67	Adjust Slide Volume With Reaction Buffer
68	Apply Coverslip
69	Rinse Slide With Reaction Buffer
70	Adjust Slide Volume With Reaction Buffer
71	Apply One Drop of UV DAB and One Drop of UV DAB H2O2, Apply Coverslip, Incubate for 8 Minutes
72	Rinse Slide With Reaction Buffer
73	Adjust Slide Volume With Reaction Buffer
74	Apply One Drop of UV COPPER, Apply Coverslip, and Incubate for 4 Minutes
75	Rinse Slide With Reaction Buffer
76	Adjust Slide Volume With Reaction Buffer
77	Apply One Drop of [HEMATOXYLIN] (Counterstain), Apply Coverslip, and Incubate for [4 Minutes]
78	Rinse Slide With Reaction Buffer
79	Adjust Slide Volume With Reaction Buffer
80	Apply Coverslip
81	Rinse Slide With Reaction Buffer
82	Adjust Slide Volume With Reaction Buffer
83	Apply One Drop of [BLUING REAGENT] (Post Counterstain), Apply Coverslip, and Incubate for [4 Minutes]
84	Rinse Slide With Reaction Buffer
85	Apply Coverslip
86	Disable Slide Heater
87	Rinse Slide With Reaction Buffer