

# ThinPrep® Stain Protocol

## for the

### Medite TST 44 autostainer using 95% alcohol fixed slides

Use this protocol for staining slides fixed with 95% alcohol.

**Caution:** Change the Distilled / Instrument Feed Water bath at Station 19 after every **four** racks of slides. Maintain bath heights to completely cover the slides at full immersion. (Note: Bath fill volume = 450 ml.)

<b>Required: Agitation "ON"</b>				
<b>No.</b>	<b>Bath</b>	<b>Reagent</b>	<b>Time</b>	<b>Cor*</b>
1	Start	70% Reagent or Ethyl alcohol	----	----
2	16	50% Reagent or Ethyl alcohol	01:00	no
3	17	Distilled or Instrument Feed Water (IFW) <sup>1</sup>	01:00	no
4	18	<b>ThinPrep Nuclear Stain</b>	07:00	yes
5	19	Distilled or Instrument Feed Water <sup>1</sup> (Replace after every 4 racks.)	00:10	yes
6	20	<b>ThinPrep Rinse Solution</b>	01:00	yes
7	21	Distilled or Instrument Feed Water <sup>1</sup>	00:30	no
8	22	<b>ThinPrep Bluing Solution</b>	00:30	yes
9	23	Distilled or Instrument Feed Water <sup>1</sup>	00:30	no
10	24	50% Reagent or Ethyl alcohol	00:30	no
11	25	95% Reagent or Ethyl alcohol	00:30	no
12	26	<b>ThinPrep Orange G Solution</b>	02:00	yes
13	40	95% Reagent or Ethyl alcohol	00:15	yes
14	39	95% Reagent or Ethyl alcohol	00:15	yes
15	38	<b>ThinPrep EA Solution</b>	04:00	yes
16	37	95% Reagent or Ethyl alcohol	01:00	yes
17	36	95% Reagent or Ethyl alcohol	01:00	yes
18	35	100% Reagent or Ethyl alcohol	00:30	no
19	34	100% Reagent or Ethyl alcohol	00:30	no
20	33	100% Reagent or Ethyl alcohol	00:30	no
21	32	Xylene or other Hologic approved clearing agent <sup>2</sup>	01:00	no
22	31	Xylene or other Hologic approved clearing agent <sup>2</sup>	03:00	no
23	Unload	Xylene or other Hologic approved clearing agent <sup>2</sup>	----	----

Remove slides to a separate clearing bath. Coverslip with an appropriate Hologic approved mountant. <sup>2</sup>

<sup>1</sup> Hologic specification for IFW:  $\geq 1.0$  megohm-cm Resistivity OR  $\leq 1.0$   $\mu$ Siemens/cm Conductivity (Refer to Clinical and Laboratory Standards Institute (CLSI) document C3-A4, 2006)

<sup>2</sup> See ThinPrep Stain User's Manual, Section 1, "STAINING" or contact Hologic for current list of Hologic approved clearing agents and mounting medias.



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## Solution Stations

### Medite TST 44 Stainer

For staining slides fixed with 95% alcohol

Step Number →

2

Solution →

50%  
Alcohol

Bath Station Number →

9

22	21	20	19	18	17	16	15	14	13					
Xylene	Xylene	100% Alcohol	100% Alcohol	100% Alcohol	95% Alcohol	95% Alcohol	ThinPrep EA	95% Alcohol	95% Alcohol					
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

2	3	4	5	6	7	8	9	10	11	12				
50% Alcohol	Distilled Water	ThinPrep Nuclear	Distilled Water	ThinPrep Rinse	Distilled Water	ThinPrep Bluing	Distilled Water	50% Alcohol	95% Alcohol	ThinPrep Orange G				
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

1	1	1	1	23	23	23	23							
Start 70% Alcohol	Start 70% Alcohol	Start 70% Alcohol	Start 70% Alcohol	Unload Xylene	Unload Xylene	Unload Xylene	Unload Xylene							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15