

ThinPrep® Stain Protocol for the Thermo Shandon Varistain Gemini autostainer using 95% alcohol fixed slides

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

REQUIRED: Use **ONLY** with Sakura slide baskets (Sakura Finetek, part # 4768) and Thermo carriers for Sakura baskets (ThermoElectron Corp., part # A78010404, 5-pack). **NOT** for use with Gemini slide baskets and carriers whose greater solution carry-over (due to larger surface area) significantly decreases the working life of the stain. Assure unused stations on the upper tier have an empty reagent trough in place to prevent slide basket drips from falling through into the lower solutions.

Caution: Change the Distilled / Instrument Feed Water bath in Step 5 after every **four** racks of slides. Maintain bath heights to completely cover the slides at full immersion.

Step	Reagent	Conc.	Set Uses	Time	Limit	Agitation
1	Reagent or Ethyl alcohol	70%	16	00:20	No Maximum	None
2	Reagent or Ethyl alcohol	50%	16	01:00	No Maximum	None
3	Distilled or Instrument Feed Water (IFW) ¹		16	01:00	No Maximum	None
4	ThinPrep Nuclear Stain		16	05:00	Critical	Standard
5	Distilled or Instrument Feed Water ¹ (Replace every 4 racks.)		16	00:10	Critical	None
6	ThinPrep Rinse Solution		16	01:00	Critical	None
7	Distilled or Instrument Feed Water ¹		16	00:30	No Maximum	None
8	ThinPrep Bluing Solution		16	00:30	Critical	None
9	Distilled or Instrument Feed Water ¹		16	00:30	No Maximum	None
10	Reagent or Ethyl alcohol	50%	16	00:30	No Maximum	None
11	Reagent or Ethyl alcohol	95%	16	00:30	No Maximum	None
12	ThinPrep Orange G Solution		16	02:00	Critical	None
13	Reagent or Ethyl alcohol	95%	16	00:15	Critical	None
14	Reagent or Ethyl alcohol	95%	16	00:15	Critical	None
15	ThinPrep EA Solution		16	04:00	Critical	Standard
16	Reagent or Ethyl alcohol	95%	16	01:00	Critical	None
17	Reagent or Ethyl alcohol	95%	16	01:00	Critical	None
18	Reagent or Ethyl alcohol	100%	16	00:30	No Maximum	None
19	Reagent or Ethyl alcohol	100%	16	00:30	No Maximum	None
20	Reagent or Ethyl alcohol	100%	16	00:30	No Maximum	None
21	Xylene or other approved clearing agent ²		16	01:00	No Maximum	None
22	Xylene or other approved clearing agent ²		16	03:00	No Maximum	None
23	Xylene or other approved clearing agent ²		16	00:00	No Maximum	None
Remove slides to a separate clearing bath then coverslip with an appropriate Hologic approved media. ²						

¹ Hologic specification for IFW: ≥ 1.0 megohm-cm Resistivity OR ≤ 1.0 μ Siemens/cm Conductivity (Refer to Clinical and Laboratory Standards Institute (CLSI) document C3-A4, 2006)

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

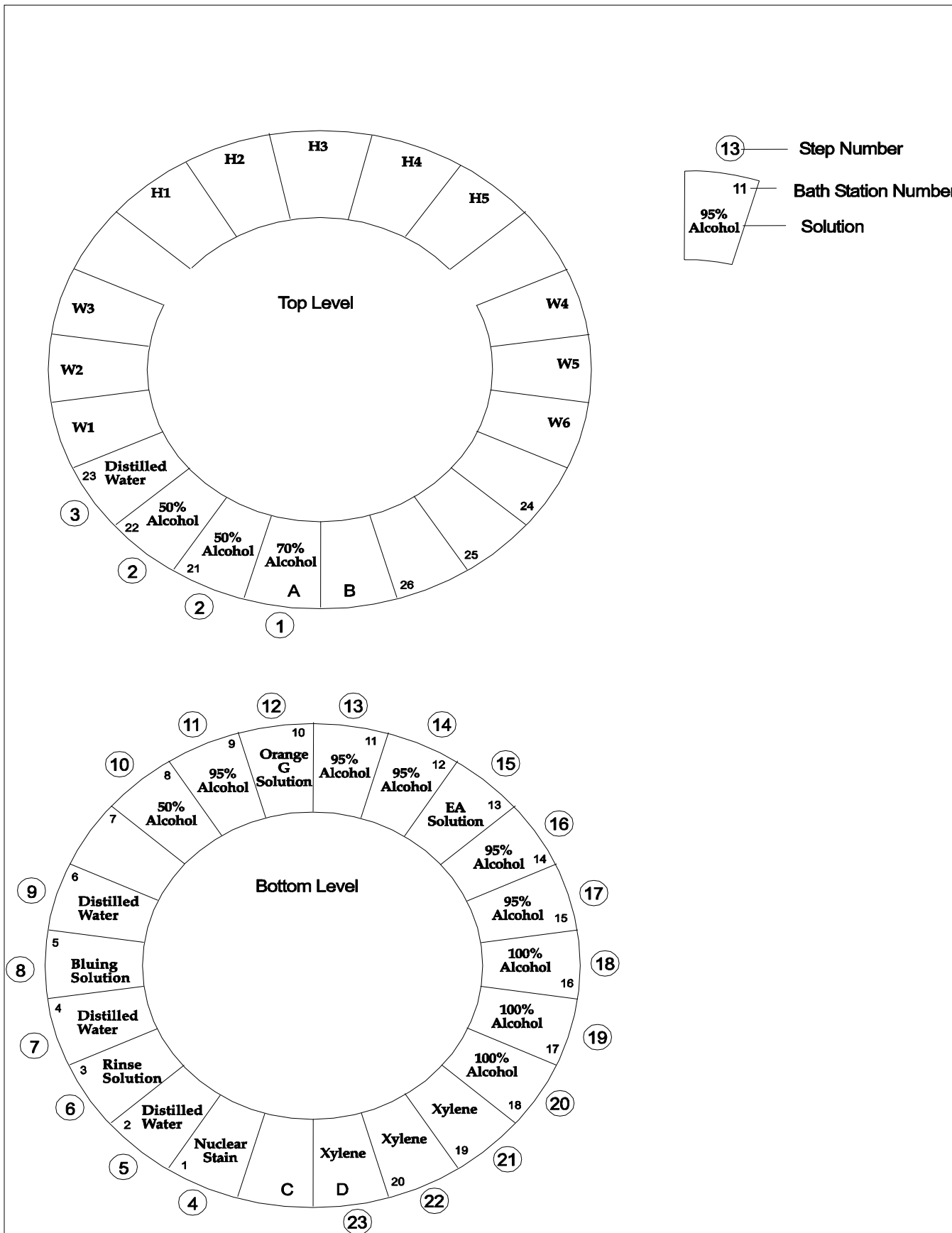


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Solution Stations

Thermo Shandon Varistain Gemini

for staining slides fixed in 95% alcohol



Reagent Layout – 2

UPPER LEVEL REAGENTS

A	21	22	23	W1	W2	W3	H1	H2	H3	H4	H5	W4	W5	W6	24	25	26	B
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LOWER LEVEL REAGENTS

C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	D
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UPPER LEVEL REAGENTS					LOWER LEVEL REAGENTS					BATCHES/PROCEDURES	
POT	Reagent	Conc. %	Set Uses	Times Used	POT	Reagent	Conc. %	Set Uses	Times Used	Names/Day	Notes or Staining Steps
A	Alcohol	70%	16		C				16	TPREPT2	
21	Alcohol	50% duplicate	16		1	TP_Nuclear			16		
22	Alcohol		16		2	dd H ₂ O			16		
23	Distilled H ₂ O		16		3	TP_Rinse			16		
W1	Running water wash				4	dd H ₂ O			16		
W2	Running water wash				5	TP_Bluing			16		
W3	Running water wash				6	dd H ₂ O			16		
					7						
H1	Dry storage				8	Alcohol	50%	16			
H2	Dry storage				9	Alcohol	95%	16			
H3	Dry storage				10	TP_OG			16		
H4	Dry storage				11	Alcohol	95%	16			
H5	Dry storage				12	Alcohol	95%	16			
					13	TP_EA			16		
W4	Running water wash				14	Alcohol	95%	16			
W5	Running water wash				15	Alcohol	95%	16			
W6	Running water wash				16	Alcohol	100%	16			
24					17	Alcohol	100%	16			
25					18	Alcohol	100%	16			
26					19	Xylene			16		
B					20	Xylene			16		
					D	Xylene			16		

PRINT

COMPLETE

ADD PROC.

OPTIMIZE