

ThinPrep® Stain Protocol for the Thermo Scientific Gemini ES 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) or Leica slide baskets (Leica Biosystems, part # 047433463 with the Epredia carriers (Epredia, part # A78010404, 5-pack). **NOT** for use with Gemini AS 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.

Note: For Thermo Shandon Varistain Gemini stainer, use AW-19455-001. For Epredia Gemini AS stainer, use AW-29403-001.



Caution: Change the Distilled / Instrument Feed Water bath in Step 5 after every 4 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	Initial
2	Reagent or Ethyl alcohol	50%	16	01:00	No Maximum	Initial
3	Distilled or Instrument Feed Water (IFW) ¹		16	01:00	No Maximum	Initial
4	ThinPrep Nuclear Stain		16	05:00	Critical	Frequent
5	Distilled or IFW ¹ (Replace every 4 racks.)		16	00:10	Critical	Initial
6	ThinPrep Rinse Solution		16	01:00	Critical	Initial
7	Distilled or IFW ¹		16	00:30	No Maximum	Initial
8	ThinPrep Bluing Solution		16	00:30	Critical	Initial
9	Distilled or IFW ¹		16	00:30	No Maximum	Initial
10	Reagent or Ethyl alcohol	50%	16	00:30	No Maximum	Initial
11	Reagent or Ethyl alcohol	95%	16	00:30	No Maximum	Initial
12	ThinPrep Orange G Solution		16	02:00	Critical	Initial
13	Reagent or Ethyl alcohol	95%	16	00:15	Critical	Initial
14	Reagent or Ethyl alcohol	95%	16	00:15	Critical	Initial
15	ThinPrep EA Solution		16	04:00	Critical	Frequent
16	Reagent or Ethyl alcohol	95%	16	01:00	Critical	Initial
17	Reagent or Ethyl alcohol	95%	16	01:00	Critical	Initial
18	Reagent or Ethyl alcohol	100%	16	00:30	No Maximum	Initial
19	Reagent or Ethyl alcohol	100%	16	00:30	No Maximum	Initial
20	Reagent or Ethyl alcohol	100%	16	00:30	No Maximum	Initial
21	Xylene or other approved clearing agent ²		16	01:00	No Maximum	Initial
22	Xylene or other approved clearing agent ²		16	03:00	No Maximum	Initial
23	Xylene or other approved clearing agent ²		16	00:00	No Maximum	Initial

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 Scientific Gemini ES

for staining slides fixed in 95% alcohol

