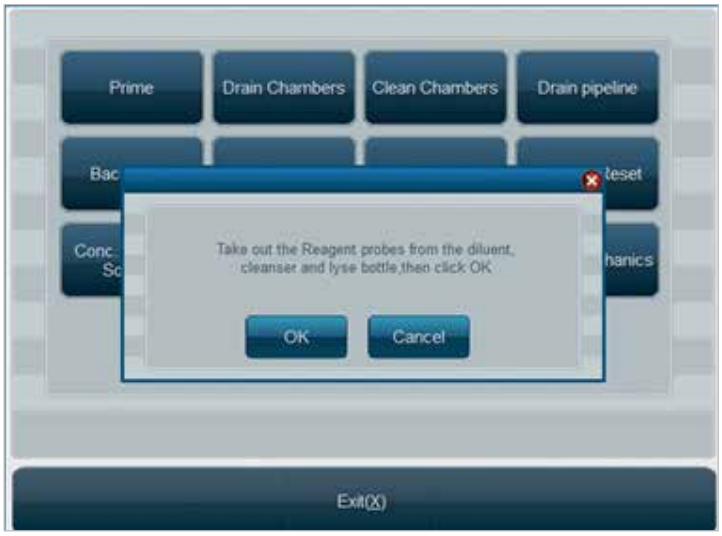
BeneSphera™ 3-Part Differential Hematology Analyzer H32 - Monthly maintenance of tubing and valves

1. Run three hematology controls or five reference patient samples. Keep a record of these values to use during maintenance.
2. Remove the aspirating tubes from the J.T.Baker® reagent cubitainers and bottles and put them in clean beakers.
3. Select the Service menu and select <Drain pipeline>. A message will display on the screen as shown below:



4. Select <OK>. The remaining liquids will now be removed from the fluidics system.
5. When this step is complete, the system will display the message “Operation finished.” Select <OK>.
6. Rinse the aspirating tubes with distilled or de-ionized water to avoid reagent contamination.
7. Put the aspiration tubes in a beaker or bottle with distilled water.
8. Select <Prime> from the service menu, then select <Prime All>.
9. Repeat the <Prime All> step five more times.
10. Remove the aspirating tubes from the beaker or bottle with distilled water and put them in clean beakers.
11. Select the Service menu and select <Drain pipeline>.
12. Select <OK>. The remaining liquids will now be removed from the tubes.
13. Connect J.T.Baker® reagents to the corresponding aspiration tubes.

14. With the reagents now connected, select <Prime> from the service menu to prime the J.T.Baker® reagents into the system.
15. Repeat step 14 three times.
16. Perform a blank run.
17. Review the data displayed by the system. Acceptable values are as follows:

Parameter	Background
WBC	< 0.2 x 10^9/L
RBC	< 0.02 x 10^{12}/L
HGB	< 1 g/dL
PLT	< 10 x 10^9/L

18. If acceptable background values are displayed, the priming has been successful. If acceptable values are not displayed, repeat steps 14-16.
19. Run the hematology controls or reference patient samples from step 1 again. Compare the values and check if extra maintenance is needed.

Phillipsburg, NJ 9001:2008 & 14001:2004
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, the Netherlands 9001:2008 & 14001:2004 & 13485:2003

Gilwice, Poland 9001:2008 & 17025:2005
Selangor, Malaysia, 9001:2008
Dehradun, India 9001:2008, 14001:2004 & 13485:2003
Panoli, India 9001:2008

About Avantor™ Performance Materials

Avantor Performance Materials manufactures and markets high-performance chemistries and materials around the world under several respected brand names, including the J.T.Baker®, Macron Fine Chemicals™, Rankem™, BeneSphera™ and POCH™ brands.

Avantor products are used in a wide range of industries. Our biomedical and life science solutions are used in academic, industry and quality control laboratories for research, pharmaceutical production and medical lab testing, while our electronics solutions are used in the manufacturing of semiconductors.

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