Applied Biosystems™ 310 Genetic Analyzer:

Shutting Down the Instrument

This datasheet describes when it is a good time to perform a short-term or long-term shutdown of the Applied Biosystems™ 310 Genetic Analyzer. If the instrument will be idle for less than 2 days, follow the steps for short-term shutdown. If the instrument will be idle for 2 or more days, follow the steps for long-term shutdown. Step-by-step instructions for the shutdown procedures can be found in the Applied Biosystems™ 310 Genetic Analyzer User Guide (Cat. No. 4317588).

Short-Term Shutdown

1. Close the Applied Biosystems™ 310 Data Collection Software and shut down the computer.
2. Turn off the instrument by turning off the switch on the back of the instrument. The LED status lights will turn off and the autosampler will drop.
3. Store the capillary by keeping one end in the block and the other in buffer (on instrument). **NOTE:** remove the thermal tape holding the capillary to the heat plate to move the capillary into the buffer, then re-attach the thermal tape to secure it.

Long-Term Shutdown

1. Remove the capillary, syringe and pump block and clean the syringe and pump block with fresh deionized water. Dry the outside of the syringe and gel block with lint-free wipes. Do not use canned/compressed air to dry the gel block.
2. Re-install the gel block and capillary.
3. Fill the 1 mL glass syringe with distilled and deionized water and attach it to the gel block.
4. Flush the capillary by running the Run Seq Fill Capillary module in Manual Control (available from the Windows™ menu). This will flush the polymer in the capillary into the waste tube.
5. Press the Tray button and remove all chemistry and samples from the autosampler.
6. Wipe the autosampler, trays, drip tray, and electrode with damp wipes.
7. Close the Applied Biosystems™ 310 Data Collection Software and shut down the computer.
8. Turn off the instrument.
9. Remove the capillary and store it or discard it. If storing the capillary, both ends should be stored in 1X Running Buffer (Genetic Analysis Buffer with EDTA). Do not allow buffer levels to drop below the ends of the capillary.

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