**UW Medicine - Pathology**

6000-02-05-01

Artisan Stainer Procedure

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| Adopted Date: 08/26/03  Review Date: 12/14/10  Revision Date: 04/08/11 |

PURPOSE

This procedure provides instruction on the standard operating of the DakoCytomation Artisan Stainer.

SCOPE

Histology Staff assigned to Special Stains rotation.

PROCEDURE

**Start Up:**

1. Turn on, in the following order:
   1. The Power Unit (grey box)
   2. Compaq PCU
   3. Computer screen
      1. Close the network window.
      2. Click on the Artisan icon.
      3. Highlight user name and enter the password. The Artisan Main Menu will appear.

**Special Stain Run (loading slides and reagent packs):**

1. Print out a Special Stain work list.
2. Pull necessary reagent packs from refrigerator and bring to room temperature.
3. Start up the Artisan Stainer (see section for "Start Up" above).
4. Click on the "Slides" icon, located in the upper left hand corner.
5. Using the Artisan slide clip, place the slide on the individual, numbered slide chamber.
6. Assign slides to a run by clicking "Assign Slides" choosing the appropriate special stain and corresponding numbered slide chamber in the "Slides Assignment" screen.
7. Prime and load the appropriate reagent packs, prior to starting a run.
8. Click "Begin Staining" and the run will start after the Artisan goes through a reagent inventory scan. After the run is complete the "Unload slides" screen will appear. Follow the prompts. This must be cleared before beginning another run.

**Reagent Pack Inventory Standard Operation:**

* 1. Start up the Artisan Stainer (see section for "Start Up" above).
  2. After the slides have been loaded, the "Inventory Manager" program will calculate the required reagent needed for the slide staining procedure in the queue.
  3. To manually access the "Inventory Manager" program, click on the "Inventory" icon, on the main menu screen.
  4. The "Reagent Inventory" screen will appear when the "Reagent" icon is clicked.
  5. Adequate reagent levels are indicated by a green square.
  6. Insufficient reagent levels are indicated by a red square.
  7. Missing reagents are indicated by a pull down menu.

**Bulk Liquid Inventory:**

1. Start up the Artisan Stainer (see section for "Start Up" above).
2. After the slides have been loaded, the "Inventory Manager" program will calculate if there is sufficient bulk liquid needed for the slide staining procedure in the queue.
3. To manually access the "Inventory Manager" program, click on the "Inventory" icon, on the main menu screen.
4. The "Bulk Liquids" screen appears when the "Bulk Liquid" icon is clicked.
5. If the inventory is insufficient, red bars will appear on both sides of the column, with an orange warning message.
6. If the bulk fluid is insufficient, fill bulk liquid reagent containers with appropriate reagents.
7. Utilize the "Bulk Liquid" screen to adjust the levels.
8. After bulk fluid bottles have been removed and refilled, they may be primed by clicking the "Prime" icon.

**Stainer Exchange Liquid:**

* 1. Start up the Artisan Stainer (see section for "Start Up" above).
  2. "Exchange Liquids" allows the user to assign a different liquid to a different position or to change the bottle size associated with a particular bulk liquid.
  3. Follow the prompts in the "Bulk Liquid" inventory screen.

**Comment:**

For error codes, refer to the Artisan Staining System, Operators Manual, pg. 11 and the troubleshooting section pg. 53-54.

REFERENCES

Artisan Operating Manual

Written By: Director Approval:

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