Beckman Coulter Access 2 System
Quality Control

POLICY

Quality Control samples must be analyzed every 12 hours using 2 levels of quality control for BNP, CKMB and Estradiol. Troponin and *b* HCG will require 3 levels of controls run every 8 hours. iPTH will require 3 levels of controls run whenever there's patient sample to be tested. When quality control tolerance limits are exceeded, corrective action must performed and recorded before analyzing patient samples. Quality control samples must be run after any scheduled or unscheduled preventive maintenance or repair to verify calibration.

CKMB quality control will only be performed in the Stat area Access.

Workplace Safety

All laboratory employees are expected to maintain a safe working environment and an injury-free workplace. Laboratory employees are responsible for their own safety, and the safety of others and adhering to all departmental and medical center safety policies and procedures.

- For standard precautions and safety practices in the laboratory; see LGM 8000, specifically, but not limited to, equipment safety, proper body mechanics, sharps exposure and proper use of personal protective equipment (PPE).
- For Universal Body Substance precautions, see LGM 8005, specifically, but not limited to, exposure to body fluids.
- For proper hand washing, see LGM 8010, specifically, not limited to, proper hand washing.
- For proper infection control, see LGM 8004, specifically, but not limited to, proper use of gloves.
- For proper handling of regular and infectious waste, see LGM 8006, specifically, but not limited to, proper disposal of regular and bio hazardous waste.
- For proper cleaning of work area, see LGM 8007 – Cleaning Work Areas.
- For proper handling of chemicals and reagents, see the Chemical Hygiene Plan.
- For proper storage and disposal of chemical hazardous waste, see LGM 8012.

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MATERIALS

BIOSITE Triage BNP Quality Control Level 1 & 2
BIORAD Immunoassay Plus Control Level 1, 2 & 3
BIORAD Cardiac Marker Level 1 & 3
BIORAD Specialty Immunoassay 1, 2 & 3
BIORAD Cardiac Marker Control LT Level Low (Ref#649)

PROCEDURE

Adding a Quality Control

Step	Action
1.	Go to the QC Set Up screen. To get to this screen from the Main Menu, select Quality Control F4 to display the Quality Control screen, then select QC Set Up F5
2.	Select Add Control F1. The Add Control window is displayed
3.	Enter the quality control information and select the appropriate options to define the new quality control
4.	Select OK F1. The system saves the new quality control and adds it to the QC Setup list
5.	Record the quality control information on the QC worksheet. Do this for any quality control set up

Editing a Quality Control

Step	Action
1.	Go to the QC Setup screen. To get to this screen from the Main Menu, select Quality Control F4 to display the Quality Control screen, then select QC Setup F5

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PROCEDURE Editing a Quality Control, cont'd

Step	Action
2.	Select a quality control to edit
3.	Select Edit Control F2. The Edit Control window is displayed. This window is similar to the Add Control window
4.	To edit the expected mean for a quality control test, enter the new value in the Mean field
5.	To edit the expected standard deviation for a quality control test, enter the new value in the SD field
6.	To change the selected QC rules, select the or clear the Westgard Rules box(es)
7.	Select OK F1. The system saves the quality control and updates the QS Setup screen

Entering Quality Control Test Requests

Step	Action
1.	Go to the Sample Manager screen. To get to this screen from the Main Menu, select Sample Manager F1
2.	Select the rack button from the Off Board list, or enter the rack ID in the Rack ID field and press Enter
3.	Select Test Request F3 to display the Test Request screen, then select Request QC F5. The Request QC window displays the quality control set up on all systems in a workgroup
4.	Select a single or multilevel quality control, then select OK F1. The system enters the selected quality controls in the next available sample positions(s) on the Test Request screen, then displays the QC view of the Test menu
5.	Select the tests you want to run on the QC sample. The Reagent list in the Test menu displays the selected tests. Optional entries are displayed. Enter or edit as necessary

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PROCEDURE Entering Quality Control Test Requests, cont'd

Step	Action
6.	Place the QC samples in the rack(s)
7.	Load the rack(s0
8.	To start sample processing, select Run

Controlled Documents The controlled documents are as follows:

Document No.	Name of Documents
LGM 2022	**Quality Manual**
LGM 8000	Safety Practices
LGM 8004	Infection Control
LGM 8005	Universal Body Substance Precautions
LGM 8006	Handling of Regular and Infectious Waste
LGM 8007	Cleaning Work Areas
LGM 8010	Handwashing Policy
LGM 8012	Storage and disposal of Chemical Hazardous Waste

NON CONTROLLED DOCUMENTS The Non Controlled Documents are as follows:

Document No.	Name of Documents
	Procedure Manual