

# Beaumont

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*Laboratory*

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## Automated Chemistry Laboratory Disinfection Policy - Royal Oak

Document Type: Procedure

### I. PURPOSE AND OBJECTIVE:

- A. The function of this policy is to adhere to infection control statutes, regulations, and accreditation agency standards to maintain a clean and safe laboratory environment at Beaumont Health Royal Oak Automated Chemistry.
- B. This document contains the duties of the clinical laboratory staff, as well as a matrix breakdown of the current approved disinfectants used in the Automated Chemistry department to clean and disinfect the laboratory area. The disinfectants listed in this document have been approved by Beaumont Health Infection Control Committee for use within the organization.

### II. PROCEDURE:

#### A. Clinical Laboratory Staff Responsibility

The responsibilities of the clinical lab staff for cleaning and disinfection includes, but are not limited to the following areas within Automated Chemistry:

1. Workbenches, countertops, and chairs
2. Sinks
3. Equipment and instrumentation, refrigerators, freezers, incubators
4. Shelves containing chemicals, reagents, or hazardous/infectious materials

#### B. Protocols for Effectiveness

In the clinical laboratory, it is very important to maintain a high level of disinfection for a safe working environment. It is every staff member's responsibility to follow guidelines for maintaining a safe environment. The effectiveness of cleaning and disinfection is determined by several factors:

1. Prior cleaning of surface or object
2. Amount of body fluid or infectious substance
3. Type and level of contamination
4. Concentration and exposure to the disinfectant (dwell time)

5. Temperature and pH of the disinfectant

#### C. Specific Cleaning and Disinfection Procedures

1. Work areas should be cleaned and disinfected thoroughly after completion of procedures or at the end of each work shift with an appropriate and approved disinfectant.
2. Bench tops should be clean, disinfected, and free of clutter.
3. Lab equipment and surfaces such as chairs, floors, and countertops should be cleaned immediately when they come in contact with bio-hazardous materials.
4. Protective coverings on equipment, benches, or any other surfaces should be properly disinfected immediately as soon as contamination is discovered.

#### D. Automated Chemistry Disinfectant Table

Department	Area	Disinfectant	Dwell Times	Expiration Date
Automated Chemistry	All	Super Sani Cloth	2 minutes	On container
Automated Chemistry	All	10% Bleach	1 minute	24 hours from preparation time

## Attachments

No Attachments

## Approval Signatures

Step Description	Approver	Date
Medical Director	Ann Marie Blenc: System Med Dir, Hematopath	11/8/2021
Policy and Forms Steering Committee Approval (if needed)	Colette Kessler: Mgr Laboratory	11/8/2021
Policy and Forms Steering Committee Approval (if needed)	Gail Juleff: Project Mgr Policy	11/8/2021
Lab Chemistry Best Practice Committee	Elizabeth Sykes: System Med Dir, Chemistry	11/7/2021
Lab Chemistry Best Practice Committee	Qian Sun: Tech Dir, Clin Chemistry, Path	11/5/2021
	Colette Kessler: Mgr Laboratory	11/5/2021

## Applicability

Royal Oak