Procedure: Bordetella Equipment and Room Decontamination

Document: MB 6.08 v3 Effective Date: 03.29.2017



# **Bordetella** Equipment and Room Decontamination

# **PURPOSE:**

 This procedure provides instructions for decontamination of equipment and molecular rooms used for Bordetella testing

# **DOCUMENTATION/RECORDS**

Daily Maintenance Log

# **SAFETY CONSIDERATIONS**

- Standard precautions. Refer to MB 2.02 Biohazard Containment
- Use of engineering controls: Refer to MB 3.01 Engineering Controls to Prevent Nucleic Acid Contamination

# **MATERIALS REQUIRED**

Equipment	Reagents	Supplies
BioSafety Cabinet	Sani-Cloth Bleach Wipes (10%)	Nitrile gloves (powder-free)
Pipettes	70% alcohol	Tacky mats
Test tube racks	5% Extran	Lint free absorbent cloths
Disc cooling block		Cotton tip swabs
Liaison MDX		
Stainless steel scissors		

#### **ABBREVIATIONS**

- PPE: personal protective equipment
- BSC: biosafety cabinet
- UV: ultraviolet light
- Area/Room 1: Clean room
- Area/Room 2: Processing room
- Area/Room 3: Amplification room

PROCEDURE A: Follow the activities in the table below for equipment and room decontamination

# **Equipment and Room Decontamination**

Activity	Step	Action (refer to Table 1 for recommended schedule)	
PPE	1	Gloves and lab coat required	
Tube racks Room 2	2	Soak tube racks in 5% Extran for minimum of 5 min after each run set-up and when visibly contaminated  Rinse with water  Air dry	

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Activity	Step	Action (refer to Table 1 for recommended schedule)		
Cooling blocks	3	Wipe down Nalgene cooling block (rm 1) with Sani-Cloth Bleach Wipe at the end of the day and when visibly contaminated  Allow bleach to sit for 4 – 5 min  Remove bleach with water followed by 70% alcohol		
	4	Wipe down aluminum disc cooling block with Sani-Cloth Bleach Wipe after each use.  Allow bleach to sit for 4 – 5 min Rinse with water		
Scissors	5	Wipe down scissors with Sani-Cloth Bleach Wipe after each use  Allow bleach to sit for 4 – 5 min  Rinse with water  Air dry  Store individually in clean Zip lock bag until use		
Hoods, Pipettes and Bench tops Room 1, 2, 3	5	Location   Step   Action		
	UV-irradiate hoods at the end of the day			
UV Hoods	7	Step Action  1 Turn off lights  2 Lower sash  3 Turn on UV light for 15 min		
Tacky matts	8	Change tacky mattes in rooms 1, 2 and 3 daily; more frequently if needed		
Record	9	Fill out daily maintenance log; initial		

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Table 1: Routine Decontamination Schedule (increase frequency if contamination/spills occur)

Room	Step	Action	Frequency	
	1	Clean hood and UV-irradiate hood	Daily	
Reagent Prep	2	Clean benchtops, pipettes, racks, and cooling blocks	Daily	
Room 1	3	Replace lab coats	Weekly	
	4	Replace tacky matt	Daily; more frequently if needed	
	5	Discard waste	As needed	
	1	Clean hood	After each procedure	
Specimen Processing Room 2	2	Clean benchtops, pipettes and cooling blocks	After each procedure	
	3	Clean specimen racks and scissors	After each use	
	4	Clean centrifuges and rotors	As needed Possible contamination Spill clean-up	
	5	Replace lab coats	Weekly	
	6	Replace tacky matt	Daily; more frequently if needed	
	7	Discard waste	Daily	
Amplification Room 3	1	Clean benchtops	After each procedure; more frequently if required	
	2	Clean Liaison MDX	As needed Possible contamination When returning instrument for service	
	3	Replace lab coats	Weekly	
	4	Discard amplification waste	After each run (Zip lock)	
	5	Replace tacky matt	Daily; more frequently if needed	

# **REFERENCES**

1. Simplexa™ 3M™ Integrated Cycler Studio 5.0 , 3M™ Integrated Cycler Operator Manual Reference 34-8710-8382-9, PI.MOL1101.UD\_REV. F for use with user defined assays, Focus Diagnostics 2009-2012, Focus Diagnostics, Inc. Cypress, CA Simplexa Operator Manual

# **Historical Record**

Version	Written/Revised by:	Effective Date:	Summary of Revisions
1	P. Ackerman	1.23.16	Initial Version
2	P. Ackerman	07.20.16	Reformatted for CMS upload
3	P. Ackerman	03.29.17	Instrument name change from Focus Integrated Cycler to DiaSorin Liaison MDX; fixed hyperlinks for SharePoint upload