Title: Cleaning Protocol for Microbiological Contaminant-prone Applications			Owner: Service
Doc No: SI 600-02	Revision: A	Rev Date: 22 Feb 2018	Effective Date: 01 Mar 2018

Revisions:

Revision:	ECR No:	Date:	Description of Change:	Originator:
A	NA	22 Feb 2018	Initial Release	Anthony Tran

1.0 Purpose

This document describes the procedure for cleaning BioDot instruments used to dispense reagents likely to promote the growth of microbiological contaminants. Dispensing cell culture media, cells, or nutrient-rich reagents increases the likelihood of micro-organismal growth within the fluidic channels of a BioDot dispensing systems. The protocol outlined within this document was designed to inhibit such growth, and should be used in addition to standard daily and weekly cleaning protocols (refer to Daily and Weekly Cleaning Protocol for BioDot Dispensers; SI 600-01).

2.0 Scope

This general cleaning protocol applies to all BioDot liquid dispensing instruments, and to all operators of the instrument. However, the user must validate cleaning and decontamination procedures to ensure suitability for specific applications. The user should also select and substitute cleaning agents used based on the solubility properties of materials dispensed.

3.0 Reference

SI 600-01 Daily and Weekly Cleaning Protocol for BioDot Dispensers

4.0 Responsibilities

The customer is responsible for damages to system components that may occur while performing the protocol. It is the responsibility of the customer to adhere to these cleaning procedures as a minimum standard for maintenance of the BioJet dispenser. Deviations from this protocol may result in compromised system performance.

5.0 Definitions

NA

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6.0 Procedure

6.1. Prime several cycles with 100% (>99.5%) EtOH.

6.2. Prime to fill fluid path with 10% household bleach or water containing sodium azide (selected concentration recommended by manufacturer for the type of contamination expected). Leave bleach or azide solution in place for 10 or more minutes. Concentrated bleach should not be left in the fluid path for more than a few hours.

6.3. Prime fluid path with 2.5mL of deionized water to eliminate traces of bleach/azide.

6.4. Prime several cycles with ethanol.

6.5. Return normal backing solution into the fluid path with the appropriate number of prime cycles.

6.6. If the instrument is not to be used overnight or for several days, remove reservoir bottle and prime repeatedly with air only until all fluid is purged. Dry components, once cleaned, will not support the growth of microorganisms.