

# Growth Direct System Cleaning Procedure

Procedure TSV0242  
Revision B

## Microbial Contamination Detection

The Growth Direct™ System





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## 1. Revision History

Revision	Author	Date	Description
A	S Brown	May 2021	Initial Release
B	J Kozik	August 2022	Updated format and language

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## 1.0 OBJECTIVE

- 1.1. The objective of this document is to provide the information needed to implement a routine cleaning procedure for the Growth Direct System for the purposes of minimizing dust ingress and accumulation. The Growth Direct System contains sensitive robotic and imaging equipment that can be negatively impacted by excess environmental dust or debris. Establishing and maintaining a routine cleaning program minimizes the risk that environmental dust or debris will impact system performance.

## 2.0 RESPONSIBILITIES

- 2.1. Establishing and maintaining a cleaning routine is a cooperative effort between the system owner and equipment vendor.
- 2.2. **Vendor**
  - 2.2.1. Provide technical input to support cleaning protocol development.
  - 2.2.2. Assist the system owner in training staff on Growth Direct cleaning procedures.
  - 2.2.3. Perform thorough cleaning of the system interior during scheduled preventative maintenance visits.
- 2.3. **System Owner**
  - 2.3.1. Ensure that this cleaning procedure is performed at the recommended frequency.
  - 2.3.2. Report accumulation of excessive dust or debris in or around the Growth Direct System to Rapid Micro Biosystems so that cleaning procedures or frequency can be adjusted if needed.

## 3.0 ROUTINE CLEANING PROCEDURE

The Growth Direct System should be cleaned **twice per week** at minimum using the procedure below.

- 3.1. Clean under the Growth Direct System using a Swiffer or similar dust attractive cleaning tool. Make sure to not only clean the floor underneath the Growth Direct, but also the bottom of the Growth Direct itself when cleaning the underside.
- 3.2. Wipe down exterior surfaces of the Growth Direct System
  - 3.2.1. Use a dust attracting wipe; an alcohol wipe (70% IPA or Ethanol) may also be used but excess liquid should be summarily wiped to avoid it being pulled into the unit (particularly from the metal surface above the Imager Deck).
  - 3.2.2. Care should be taken around the cooling fan entry above the Imager Deck, as there is an active fan that could pull in the wipe.
  - 3.2.3. The cleaning wipe should be run around the seams of the IOQ door, Imager door, and Server door. See picture on next page.
  - 3.2.4. Cleaning certain areas may require a small step ladder or stool, but we suggest using a long handled or extended Swiffer. This can make it easier to clean areas under the unit and on the top of the vision analysis area with the fan.

