

Instrument for the Identification of Live and Dead Bacteria

Arjun Krishnamoorthi

VALIDATION

REVISION – 1
4 December 2019

Validation Plan for Instrument for the Identification of Live and Dead Bacteria

Validation Plan:

Status Legend:

- **Completed**
- **In progress**
- **Not started, on schedule**
- **Behind schedule**

TASK	END DATE	STATUS	DATE COMPLETED
Validate germicidal effectiveness of disinfection unit	10/10/2019		10/8/2019
Validate operating range and sufficient sensitivity of emission monochromator through measurement of bacterial fluorescence	10/12/2019		10/10/2019
Validate operating range and scanning capability of excitation monochromator by coupling subsystem with UV LED	10/18/2019		10/18/2019
Finalize enclosure of emission monochromator with Physics Machine Shop	10/21/2019		10/20/2019
Validate control and display unit requirements through serial communication link with subsystems and PCA	10/27/2019		10/25/2019
Finalize enclosure of excitation monochromator with Physics Machine Shop	11/9/2019		11/6/2019

Validate detection and classification time requirement of overall system in enclosures	11/12/2019		11/12/2019
Validate general spectroscopic requirements of system	11/12/2019		11/12/2019