

Aria II – Aerosol and Mycoplasma Testing Results

Aerosol Testing Results

Date: 25th May 2021

<u>Mode</u>	<u>Results</u>	<u>Pass/Fail</u>
Fail Mode 1*	Negative	Pass
Fail Mode 2*	Negative	Pass
Fail Mode 3**	Positive	Pass

***Fail Modes**

**** Positive Control**

Fail Mode 1: Stream Deflection, Bio-bubble ON, AMS ON, 10-minute sampling.

Fail Mode 2: Stream Deflection, Bio-bubble OFF, AMS OFF, 10-minute sampling.

Fail Mode 3: Stream Deflection, Bio-bubble OFF, AMS OFF, Covers Open, 2-minute sampling

Based on the Following papers:

Perfetto, Stephen P. FCC Cell Sorting Facility: Safety Practices and Procedures. 2017 June 30. Vaccine Research Center, NIAID.

Perfetto, Stephen P. et al. Novel Impactor and Microsphere-Based Assay Used to Measure Containment of Aerosols Generated in a Flow Cytometer Cell Sorter. 18 Dec 2018. Cytometry Part A; 95(2):173-182.

Next Test Date: ~25th November 2021

Mycoplasma Testing Results

(MycoAlert Plus detection kit Lonza LT07-703)

Date: 26th August 2021

<u>Location</u>	<u>Ratio</u>	<u>Results</u>	<u>Pass/Fail</u>
Carboy 1	0.726	Negative	Pass
Carboy 2	0.773	Negative	Pass
Stream	0.989	Negative	Pass
Sheath Tank 1	2.937	Positive	Fail
Sheath Tank 2	3.156	Positive	Fail
Sheath Tank 3	1.193	Borderline	Fail
Negative Control	0.680	Negative	Pass
Positive Control	872.356	Positive	Pass

Interpretation (Ratios):

< 1 negative

1 - 1.2 borderline

> 1.2 mycoplasma contamination

Next Test Date: ~01st September 2021