

**Aria II – Aerosol and Mycoplasma Testing Results**

**Aerosol Testing Results**

**Date: 25<sup>th</sup> May 2021**

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

**\*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: ~25<sup>th</sup> August 2021**

### **Mycoplasma Testing Results**

(MycoAlert Plus detection kit Lonza LT07-703)

**Date: 26<sup>th</sup> May 2021**

<u>Location</u>	<u>Ratio</u>	<u>Results</u>	<u>Pass/Fail</u>
<b>Carboy 1 (1<sup>st</sup> May)</b>	<b>0.586</b>	<b>Negative</b>	<b>Pass</b>
<b>Carboy 2 (1<sup>st</sup> May)</b>	<b>0.418</b>	<b>Negative</b>	<b>Pass</b>
<b>Stream</b>	<b>0.395</b>	<b>Negative</b>	<b>Pass</b>
<b>Sheath Tank 1</b>	<b>0.748</b>	<b>Negative</b>	<b>Pass</b>
<b>Sheath Tank 2</b>	<b>0.714</b>	<b>Negative</b>	<b>Pass</b>
<b>Sheath Tank 3</b>	<b>0.600</b>	<b>Negative</b>	<b>Pass</b>
<b>Negative Control</b>	<b>0.290</b>	<b>Negative</b>	<b>Pass</b>
<b>Positive Control</b>	<b>590.175</b>	<b>Positive</b>	<b>Pass</b>

#### **Interpretation (Ratios):**

**< 1 negative**

**1 - 1.2 borderline**

**> 1.2 mycoplasma contamination**

**Next Test Date: ~25<sup>th</sup> August 2021**