



# Aura+

REALIZE THE PROMISE OF  
YOUR THERAPEUTIC

Capsid, Protein, & Cell ID  
Formulations Development  
Cell, Protein, & Gene Product Quality  
Application Flexibility  
Ultralow Volume Analysis

## About Aura+

Aura+™ meets your particle analysis and product quality needs for protein, cell, and gene therapies. With one system, you can detect, count, and characterize biologic aggregates, visible particles, and subvisible particles for product quality measurements – with just 5 µL of sample! It also provides both 4x and 20x objectives for high powered microscopy imaging. Aura+ specifically IDs multiple biological targets in the same sample, helping you develop your therapeutic without costly complex machine learning libraries or time-consuming manual image analysis.

Aura+ combines Backgrounded Membrane Imaging (BMI) with three channels of Fluorescence Membrane Microscopy (FMM) to give you aggregate data without any clogging concerns or the need to clean between measurements. BMI delivers count, size, and morphological information while FMM differentiates between cellular, protein, or extrinsic aggregates in your sample. Added bonus? FMM can also be used for cell viability and cell type differentiation assays or to quantitate and distinguish which polysorbates in your formulation are degrading. Quickly develop safe, effective, and stable therapeutics with Aura+.

## Product Specifications

<b>Technology</b>	Backgrounded Membrane Imaging (BMI) and Fluorescence Membrane Microscopy (FMM)
<b>Imaging area</b>	24.6 mm <sup>2</sup>
<b>Optics</b>	4x and 20x objectives
<b>Sampling efficiency</b>	100% (4x objective)
<b>Brightfield illumination (BF)</b>	LED 455 nm
<b>Side scatter illumination (SIMI)</b>	LED 465 nm
<b>Fluorescence illumination (FL)</b>	LED
<b>FL Channel 1</b>	Ex: 440 nm Em: 500 nm
<b>FL Channel 2</b>	Ex: 376 nm Em: 440 nm
<b>FL Channel 3</b>	Ex: 482 nm Em: 524 nm
<b>Minimum sample volume</b>	5 µL (assay dependent)
<b>Resolution</b>	1.0 pixel/µm
<b>Detectable size range (min)</b>	>1 µm (ECD)
<b>Detectable size range (max)</b>	<5 mm (ECD)
<b>Brightfield read time (BMI)</b>	1 minute/sample
<b>Fluorescence read time (FMM)</b>	15 seconds/sample
<b>Sample format</b>	96-well filter membrane
<b>Membrane type 1 (Brightfield)</b>	White – Polycarbonate 0.4 µm or 0.8 µm pores
<b>Membrane type 2 (Fluorescence)</b>	Black – Polycarbonate 0.4 µm pores
<b>Software</b>	Particle VUE 4.x all-in-one software suite (image capture and analysis)
<b>Robotic compatibility</b>	Yes
<b>Operating system</b>	Windows 10
<b>Power</b>	Universal input (90 – 265 Vac)
<b>Instrument dimensions</b>	13.5 in x 18 in x 13 in
<b>Instrument weight</b>	57 lbs