



INTRODUCING CYTEK® AURORA CS

A high-capacity sorter fueled by Cytek's innovative full spectrum technology

IMAGINE A CYTEK AURORA THAT CAN SORT

The Cytek Aurora has changed the course of cell analysis research worldwide. With its technologically advanced features, flexibility, and intuitive software workflows, Cytek Aurora has become a favorite in many research labs.

Enter in Cytek Aurora CS, possessing all of sister Aurora's best traits:

- Autofluorescence extraction to help you visualize positively expressing cells clearly
- One configuration for all applications
- Real time visualization of your multicolor assays with Live Unmixing
- Up to 5 lasers and 64 fluorescence APD detectors, enabling high quality, highly resolved data demonstrated up to 40 colors
- Intuitive SpectroFlo® Software with new Sort Control user interface

Easily transfer assays from Aurora to Aurora CS, using the same range of panel complexities. Panels from conventional cytometers can also be run on Aurora CS.



FEATURE HIGHLIGHTS

○ SAMPLE INPUT FLEXIBILITY AND CONTROL

Sort from 5 or 15 mL tubes with onboard sample mixing, heating, and cooling

○ VARIETY OF NOZZLES

Choose from 70, 85, 100, and 130 µm nozzles to best suit your application

○ PRE-DEFINED AND CUSTOM SORT MODES

Purity, Enrich, Mixed, Single Cell and custom sort mode options

○ PLATE SORTING

Sort into 96-well plates with index sorting capability

○ MULTI-WAY SORTING

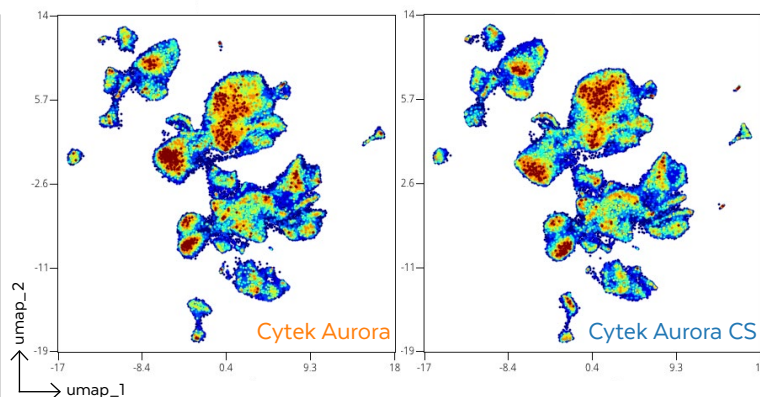
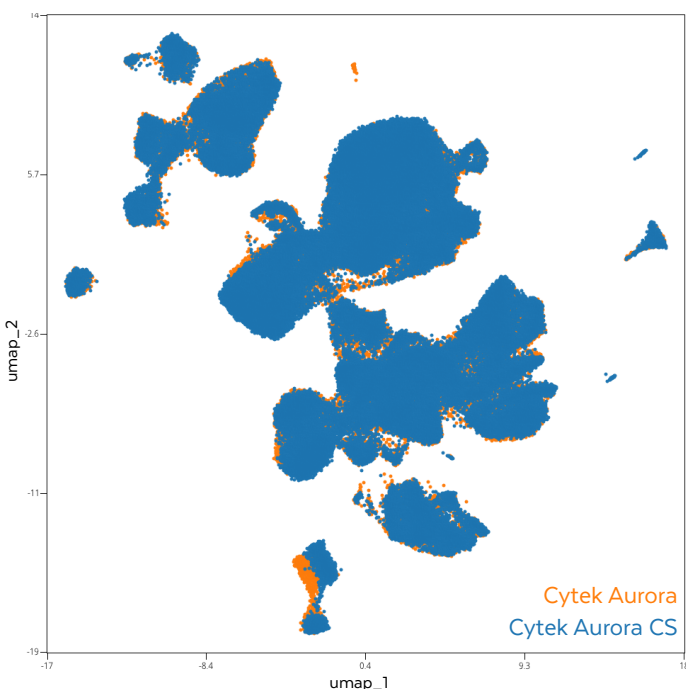
Use up to 6 sort streams

○ BIOSAFETY CONTROLS

Primary aerosol management with integrated HEPA filters and optional Biosafety Class 2 Type A cabinet

CONSISTENTLY HIGH QUALITY DATA

The ability to generate high quality multi-parametric data is key to successfully utilize data dimensionality and 2D visualization algorithms. You can trust that the OMIP-069 (PMID: 32830910) 40-color deep immunophenotyping panel you are running on your Cytek Aurora will perform equally well on your new Cytek Aurora CS, as demonstrated with the UMAP overlay and density plots shown below.



The same 40-color human peripheral blood mononuclear cells (PBMCs) sample was acquired on both a 5-laser Cytek Aurora and a 5-laser Cytek Aurora CS. The resulting UMAPs of the CD45⁺ lymphocyte population generated from both data files is shown overlaid at left, and above as separate UMAP density plots. Plots were generated using OMIQ software at www.omiq.ai.



Have you read OMIP-069? Download it now from the resources publication collection at cytekbio.com.

Find out more at www.cytekbio.com

Please contact sales@cytekbio.com for any questions.

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