



INTRODUCING CYTEK® AURORA CS

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

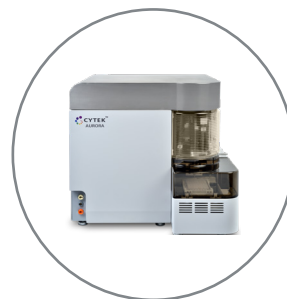
IMAGINE A CYTEK AURORA THAT CAN SORT

The Cytek Aurora system has changed the course of cell analysis research worldwide. With its technologically advanced features, flexibility, and intuitive software workflows, the Cytek Aurora system 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
- Sort on raw or unmixed data
- Up to 5 lasers and 64 fluorescence APD detectors, enabling up to 40-color high-resolution data
- Intuitive SpectroFlo® CS Software with new Sorter Control user interface

Easily transfer assays from the Aurora system 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, 100 and 130* μm nozzles to best suit your application

* available on request

○ PRE-DEFINED AND CUSTOM SORT MODES

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

○ PLATE SORTING

Sort into 96-well plates with index sorting capability

○ MULTI-WAY SORTING

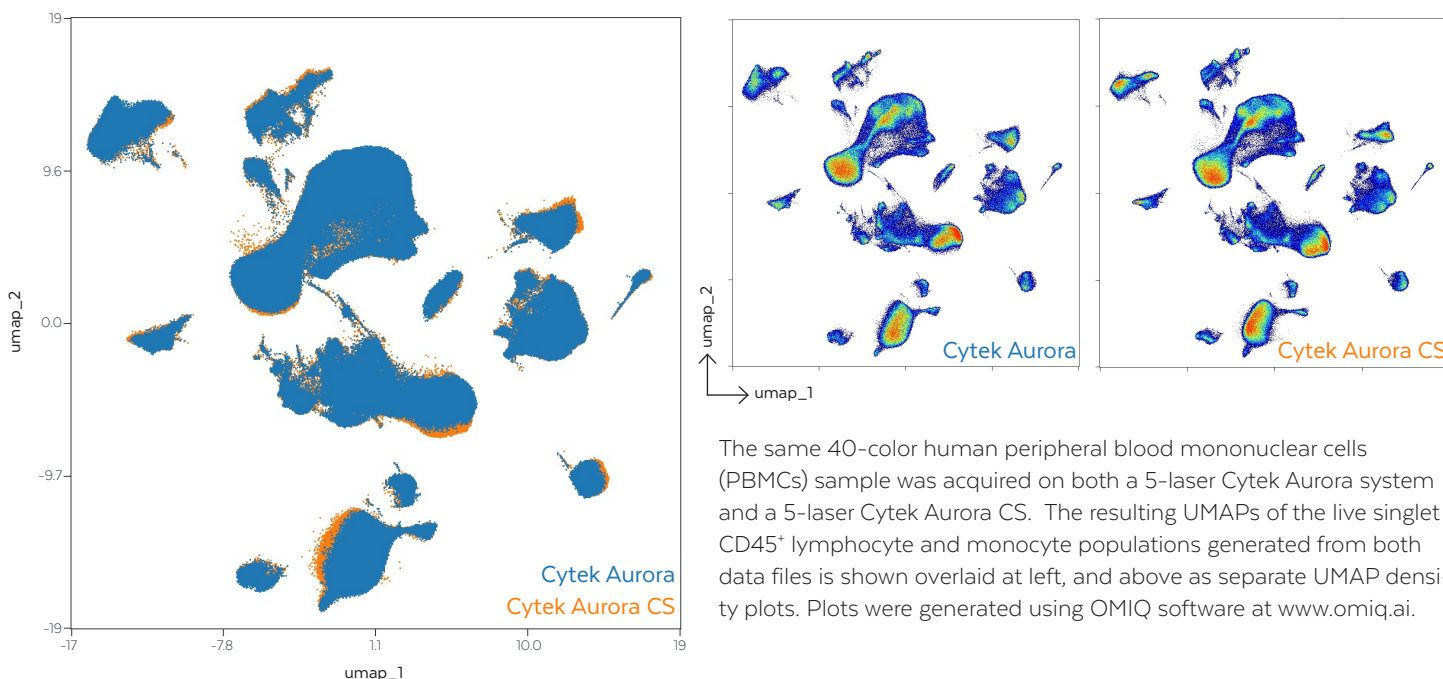
Use up to 6 sort streams into 1.5 mL tubes, and up to 4 sort streams into 5 mL tubes

○ BIOSAFETY CONTROLS

Primary aerosol evacuation 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 2-D visualization algorithms. You can trust that the OMIP-069 (PMID: 32830910) 40-color deep immunophenotyping panel you are running on your Cytex Aurora system will perform equally well on your new Cytex 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 Cytex Aurora system and a 5-laser Cytex Aurora CS. The resulting UMAPs of the live singlet CD45⁺ lymphocyte and monocyte populations 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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