



CYTEK ORION™ REAGENT COCKTAIL PREPARATION SYSTEM

Automated Cocktail Preparation for Efficient Workflows

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Manually preparing reagent cocktails for flow cytometry can be time-consuming and error-prone, particularly with high dimensional panels. Cytek has designed and built a fully automated, reagent cocktail preparation instrument for flow cytometry. The Cytek Orion™ reagent cocktail preparation system is easy to operate, fully contained, and affordable, saving time and resources while improving efficiency and accuracy. The simplified workflow is designed to fit seamlessly with Cytek's total solutions. Use one of our optimized cFluor® reagent kits and template to get started or create your panel with our panel design tools. Navigate to the reagent library, choose your cocktail recipe, load the Cytek tip tray, reagents, and cocktail tubes, and go. The instrument will do the rest, including keeping your reagents stable with cooling and light protection, and gentle shaking to mix the cocktail.

The Cytek Orion™ reagent cocktail preparation system offers:

- Robust, reliable cocktail preparation that eliminates potential user errors and pipetting mistakes
- Fast cocktail preparation that saves precious time in the lab
- A robotic interface which allows for a decrease in repetitive motion from pipetting high dimensional panels

Increase Laboratory Efficiency

Flexible Worklist:
Create Your Own
Recipe, or Use One from
Our Optimized cFluor®
Kits

Automation for High
Throughput Operation
and Elimination of
Operator-Dependent
Variability

Availability of Four
Cooled Racks to Ensure
Reagent and Cocktail
Stability

Cocktail Preparation
Flexibility for Any
Existing Protocols

Panel and Procedural
Information Stored
for Quick Application
Access

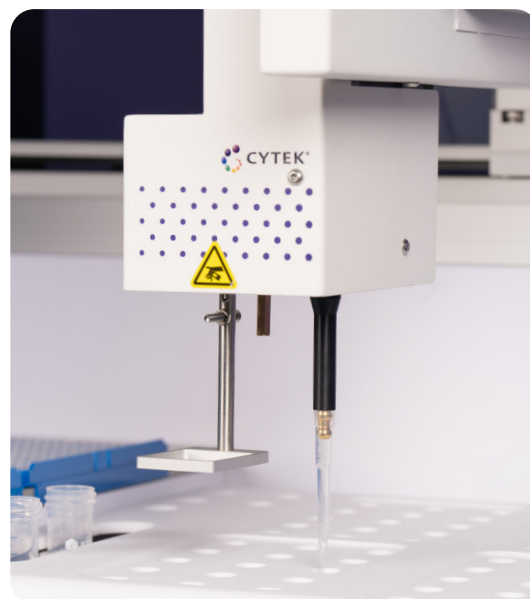
Reagent Cocktail Features

Reagents:

- Accommodates antibody-conjugate tubes with volumes of 0.5 mL to 2.0 mL per tube
- Up to 60 individual reagents can be added per cocktail
- Aspirator can add 10 µL to 200 µL of reagent to each cocktail
- The software remembers each reagent in the library for future use in creating recipes

Cocktails:

- Cocktail tubes with up to 5 mL and 15 mL capacity
- Cocktail recipes can be created using the reagents stored in the library or reagents entered in the quick cocktail module
- Cocktail recipe template can be saved for reuse
- Use pre-programmed recipes for Cytek immunoprofiling kits and assays



Instrument Features

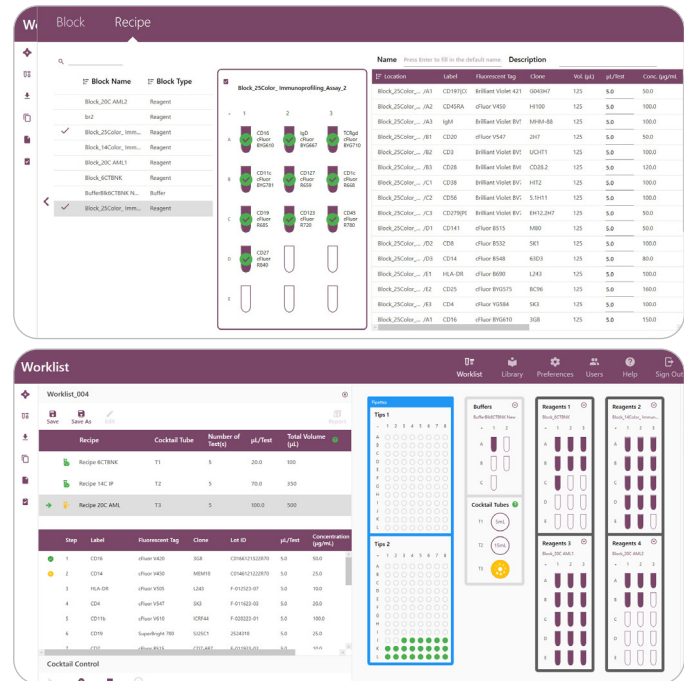
- Tips are only used once to eliminate any carryover and then discarded automatically into the tip refuse container after use
- Additional reagent racks are available for reagents such as stain buffers and blocking buffers for use in the cocktails



Cytek Orion™ Reagent Cocktail Preparation System Workflow

The workflow to set up the Cytek Orion system for a pre-defined or new cocktail recipe is designed to be straightforward and simple. The Cytek Orion software, SpectroPrep™, follows the conventions of Cytek SpectroFlo® software. A wizard guides users through adding reagents to the library, creating reagent deck settings, and creating cocktail recipes that can be saved and reused. This information can also be uploaded from a CSV file format.

During cocktail preparation, the software will show you the status of the worklist with indicators of tip usage and steps completed or in process.



Cytek Orion™ Maintenance and Repair Services

As part of Cytek's comprehensive solutions, our service package offers post-warranty support. Please contact your local sales representative for more information about our service and support packages.

The Gold Service Plan provides a comprehensive service package designed to meet the special needs of customers who continuously operate their instrument and require proactive service with the assurance of priority service scheduling. The Gold Service Plan provides optimal service support by covering the travel, labor, and component costs for any service needed during the service plan period. The Gold Service Plan also covers all costs associated with the one Annual Preventative Maintenance Service Visit.

Advantages of maintaining a service plan include:

- Excellent service support to maintain optimal instrument performance
- Regular maintenance reduces overall service costs, protects the instrument, and improves long-term operation

Ordering Information

Description	P/N
Cytek Orion™ Reagent Cocktail Preparation System	N7-00120
Cytek Orion™ Installation	N9-90388
Cytek Orion™ Service Contract (1 year after warranty)	N9-90389
Cytek Orion™ IQ/OQ	N9-90390
Cytek Orion™ Nature, Low Retention 200 µL tips	NO-10172
Cytek Orion™ Nature, Pre-Sterilized, Low Retention 200 µL tips	NO-10173
Cytek Orion™ Nature, Filtered, Pre-Sterilized, Low Retention 200 µL tips	NO-10174

For Research Use Only. Not for use in diagnostic procedures.

Find out more at www.cytekbio.com

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