

explorer™ G3 workstation

explorer™ G3 Cell Painting workstation

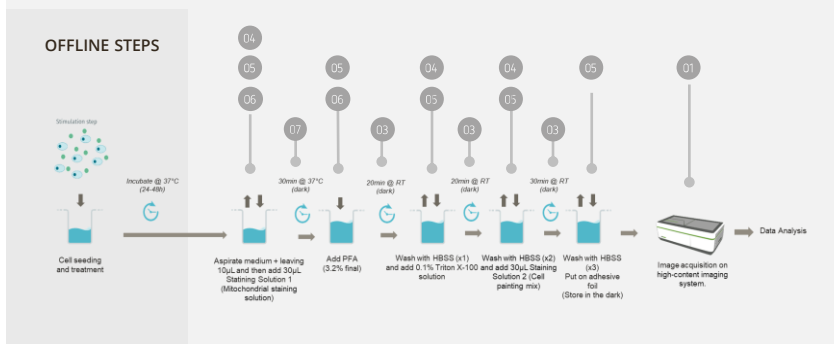
Cell Painting is a powerful phenotypic high-content screening approach which combines cell and computational biology to unravel cells' responses when subjected to perturbagens. **explorer™ G3 Cell Painting workstation** provides a an integrated, turn-key solution to automate cell painting assays using our **PhenoVue™ Cell Painting Kits** with image acquisition on our **Opera Phenix® Plus** high content imager. Proposed workstation has been configured to automate staining and image acquisition with up to **42x 384w** cell plates to be processed without user intervention.

COMPONENTS

- 01 Opera Phenix® Plus Instrument
- 02 plate::handler™ FLEX collaborative arm
- 03 2x 21-position random access racks
- 04 Agilent Technologies Centrifuge (optional item)
- 05 BioTek® 405™ LSUV Microplate Washer
- 06 BioTek® MultiFlo™ FX Multimode dispenser
- 07 Thermo Fisher® Scientific C2 Cell Culture incubator
- 08 Enclosure with HEPA filter



EXPERIMENTAL WORKFLOW



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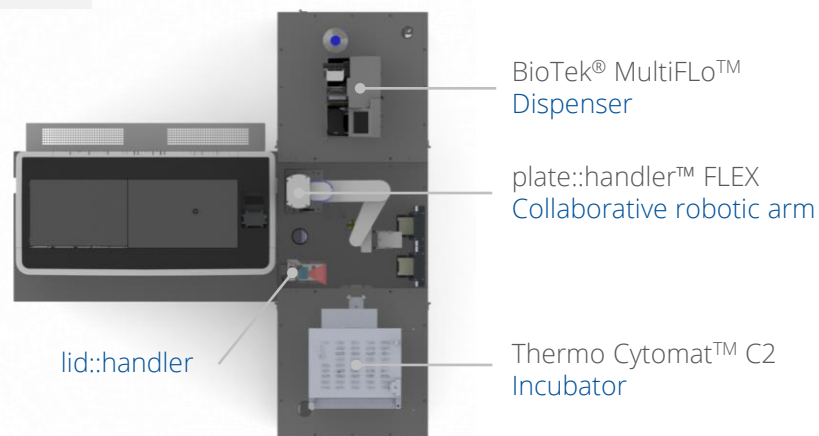
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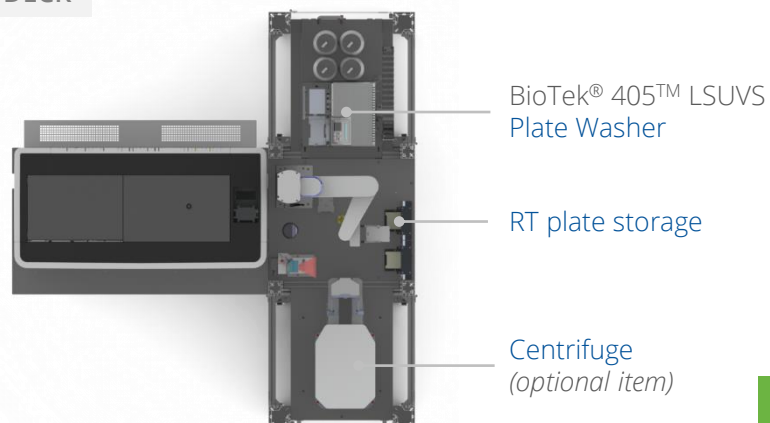
explorer™ G3 workstation

DETAILED LAYOUT

TOP DECK



LOWER DECK



SPECIFICATIONS

Platform	explorer™ G3 workstion iX15 with enclosure and HEPA Fan Filter unit
Plate Handling	plate::handler™ FLEX 750EXT collaborative robotic arm
Image Acquisition	Opera Phenix® Plus Instrument
Labware Storage/ Incubation	- 2x 21-position random access plate shelves for RT plate storage and incubation (plates to be covered with black lids) - Thermo Fisher® Scientific Cytomat™ C2 Cell Culture incubator holding up to 42x 384w plates
Media Removal & Plate Washing	BioTek® 405™ LSUVS Microplate Washer optimised for cell washing with 4 buffer switching option
Addition of staining solution and PFA	BioTek® MultiFlo™ FX Multimode dispenser configured as 3 reagent dispenser (2 syringe pump, 1x peripump)
Centrifugation	Agilent® Technologies Centrifuge (optional item)
Scheduling Software	plate::works® software V6.25
Control PC / Network	19" Rack mounted industrial PC running Windows 10 Enterprise LTSB, 16-port GBit Network Switch and Hardware Firewall
Electrics	1-phase 230V/50 Hz (110V/60Hz) with central mains switch
Dimensions	220 cm x 230cm x 250cm

ORDERING INFORMATION

Description	Price
explorer™ G3 Cell Painting workstation	Please contact your local PerkinElmer Sales Representative

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