Automated Plate Feeding for Operetta CLS™ High-Content Analysis System & Opera Phenix® Plus High Content Screening System

To automate Operetta® CLS™ High-Content Analysis System & Opera Phenix® Plus High Content Screening System, PerkinElmer can offer a two turn-key plate::handler™ FLEX plate feeding solutions designed to provide walk-away automation for Fixed Cell Screening and Live Cell Screening. With plate::handler™ FLEX plate feeding solution using the same robotic arm, PC and control software as our larger explorer™ G3 workstation ensures full upgradeability incl. the possibility to reuse existing components towards the build of a larger automation platform.

### Robotic Arm
Collaborative, four-axis SCARA robot with built-in safety features enabling side-by-side human-robot cooperation; Control PC with 2x SDD in RAID 1 configuration running Windows 10 Enterprise LTSB

### Storage Capacity
- **Fixed Cell Screening Package:** 42x 96/384w (random access)
- **Live Cell Screening Package:** 44x 96/384 in Liconic® STX44 IC SA robotic incubator (32-50°C, 0-10% CO₂, max. 95%RH), 42x 96/384w in random access racks

### Control Software
plate::works™ software 6.25 or better

### Application Templates (incl. in delivery)
1. Reading a variable number of plates using a fixed experiment (selected from drop-down menu)
2. Reading a variable number of plates with two subsequent experiments (PreciScan™ plug in – where supported by imager)
3. Reading a variable number of plates using plate specific experiments; with information on which experiment to be used for which plate to be taken from an Excel worklist

### Options & Accessories
- Larger racks, different size incubator
- job::manager workflow managing software (multiuser)

---

For research use only. Not for use in diagnostic procedures.

© 2021 PerkinElmer • All Rights Reserved • Schnackenburgallee 114 • 22525 Hamburg • perkinelmer-appliedgenomics.com/home/products/integrated-lab-automation/

All rights reserved. PerkinElmer® is a registered trademark of PerkinElmer, Inc. All other trademarks are the property of their respective owners.
**FIX CELL IMAGING**

**HH2020 0010**
Benchtop Fixed Cell Imaging Package for Operetta® CLS™ High-Content Analysis System
- plate::handler™ Flex collaborative robot
- up to 42x96/384w plates stored in random access plate::racks
- barcode reader

**HH2020 0011**
Standalone Fixed Cell Imaging Package for Operetta® CLS™ High-Content Analysis System or Opera Phenix® Plus High Content Screening System
- plate::handler™ Flex collaborative robot
- up to 42x96/384w plates stored in random access plate::racks
- barcode reader

**HH2020 0013**
Standalone Fixed Cell Imaging Package for Opera Phenix® Plus High Content Screening System with onboard liquid handling option
- plate::handler™ Flex robot
- up to 63x96/384w plates stored in random access plate::racks
- barcode reader
- Safety shielding

**LIVE CELL IMAGING**

**HH2020 0012**
Standalone Live Cell Imaging Package for Operetta® CLS™ High-Content Analysis System or Opera Phenix® Plus High Content Screening System
- plate::handler™ Flex robot
- Liconic STX44 IC, 44-position plate incubator (32-50°C, high RH, 0-10% CO₂)
- up to 42x96/384w plates stored in random access plate::racks
- barcode reader

**HH2020 0014**
Standalone Live Cell Imaging Package for Opera Phenix® Plus High Content Screening System with onboard liquid handling option
- plate::handler™ Flex robot
- Liconic® STX44 IC, 44-position plate incubator (32-50°C, high RH, 0-10% CO₂)
- up to 63x96/384w plates stored in random access plate::racks
- barcode reader
- Safety shielding

*Imager on heavy-duty labcart, **Standard pH4 Package to supporting loading Opera Phenix® Imager with imaging plate only. Please contact PerkinElmer for configurations supporting storage and automated loading of compound plates and tip boxes.

For research use only. Not for use in diagnostic procedures.

© 2021 PerkinElmer • All Rights Reserved • Schnackenburgallee 114 • 22525 Hamburg • perkinelmer-appliedgenomics.com/home/products/integrated-lab-automation/
All rights reserved. PerkinElmer™ is a registered trademark of PerkinElmer, Inc. All other trademarks are the property of their respective owners.
LINEAR UPGRADE PATH TO explorer™ G3 workstation
FULL WORKFLOW AUTOMATION SOLUTIONS

plate::handler™ FLEX Plate Feeding Solution

LEARN MORE ABOUT INTEGRATED LABORATORY AUTOMATION SOLUTIONS

For research use only. Not for use in diagnostic procedures.

© 2021 PerkinElmer | All Rights Reserved | Schnackenburgallee 114 | 22525 Hamburg | perkinelmer-appliedgenomics.com/home/products/integrated-lab-automation/
All rights reserved. PerkinElmer® is a registered trademark of PerkinElmer, Inc. All other trademarks are the property of their respective owners.