

LabChip | GX/GXII

Automated Electrophoretic Separations of RNA, DNA and Protein

The LabChip GX and GXII provide a fast and easy way to analyze RNA, DNA, and protein samples across a wide range of molecule and fragment sizes. Performing sample analysis with these assays on the LabChip GX/GXII instruments saves time and money by automating the necessary steps for electrophoretic separations. The LabChip GX is designed for both RNA and DNA analysis, while the LabChip GXII runs RNA, DNA, and also protein assays.

The LabChip GX/GXII Electrophoresis Systems use a single sipper microfluidic chip to aspirate samples directly from 96- or 384-well plates. The instrument optics detect samples by laser-induced fluorescence. System software automatically analyzes the data and provides sizing and quantification using ladder and marker calibration standards. Digital data results are immediately available for review or reporting in virtual gel, electropherogram graph, or table summary form.

Features

- Compact Benchtop Footprint
- Runs samples directly from both 96- and 384-well plates
- Automation capable
- Integral barcode scanner
- Complete sample analysis in as little as 30 seconds per sample
- Powerful data collection and analysis software with unlimited licenses
- Data query and sample comparisons via software filters
- Automated data export in friendly formats

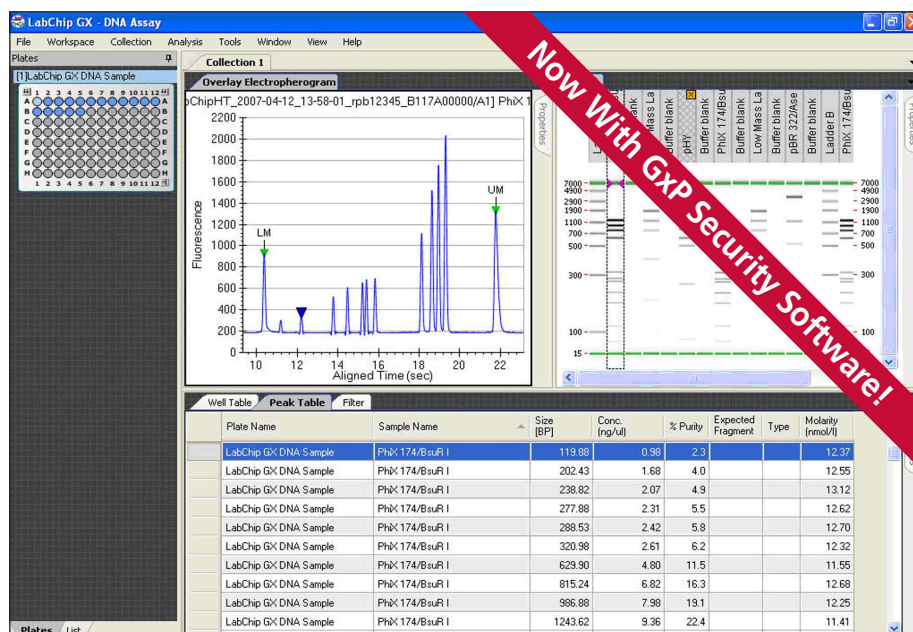
LabChip GX v3 and GxP Security Software

Caliper LabChip GX/GXII instruments with LabChip GxP Software are computerized systems designed to automate the analysis of DNA, RNA or proteins using Caliper Sipper Chip technologies. The systems allow the users to create, modify, and maintain the records in electronic form and allow the users to perform electronic signatures on the records generated from the system. It takes a combination of administrative controls, procedural controls, and technical controls for the users of a computerized system to comply with 21 CFR Part 11 regulations.

The LabChip GxP Software contains built-in technical controls and features specifically designed to support the users for 21 CFR Part 11 compliance. These technical controls and features include user account management and access controls, device check, enforcing permitted sequencing of steps, audit trails, record copying, record retention, system documentation, and electronic signature controls.

Compliance Features:

- User Account Management
- Audit trails
- Electronic Signature Controls
- Central Data Repository



LabChip GX and GXII Specifications

Height	464 mm (18.28 in)	Power Requirements	100/110/230 VAC, 50/60 Hz
Width	472 mm (18.60 in)	Power Consumption	460 VA (460 W)
Depth	649 mm (25.57 in)	Plate Formats	96- and 384-well
Weight	45.5 kg (100 lbs)	Excitation/Emission Wavelengths	635 and 700 nm
Temperature Range	18-26 °C (64-79 °F)	Humidity Range	30-70% relative, non-condensing

Ordering Information

LabChip GX System	P/N 122000	HT Protein Express LabChip (4 pack)	P/N 760528
LabChip GXII System	P/N 124582	Protein Express Reagent Set	P/N 760526
HT DNA 5K/RNA LabChip	P/N 760435	Pico Protein Express Reagent Set	P/N 760498
HT DNA 5K/RNA LabChip (4 pack)	P/N 760527	HT High Resolution LabChip	P/N 760524
DNA 5K Reagent Set	P/N 760396	Glycan Reagent Kit	P/N 760525
RNA Reagent Set	P/N 760410	ProfilerPro Glycan Release and Labeling Kit	P/N 760523
HT DNA 1K/HS 5K/12K LabChip	P/N 760517		
DNA 1K Reagent Set	P/N 760526	Software	
DNA HS 5K Reagent Set	P/N 760568	LabChip GX Version 3 Software	P/N 128430
DNA 12K Reagent Set	P/N 760398	LabChip GxP Security Kit	P/N 125416
HT Protein Express LabChip	P/N 760499		

Note: Adequate space of 200 mm (8 in) must be provided in front of instrument for plate loading. Right hand side of the instrument must provide sufficient clearance to allow for reagent access.



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