RESIDUAL SOLVENT GC

GAS CHROMATOGRAPH FOR RESIDUAL SOLVENT CONTROL

The best solution for radio Tracer Quality Control

- ✓ HIGHEST SENSITIVITY
- ✓ AUTOMATIC SAMPLE INJECTION
- ✓ CENTRALIZED DATA STORAGE
- ✓ TUNED FOR RADIO-TRACERS

Elysia is proposing a gas chromatography solution optimized for residual solvent control in radiopharmaceutical quality control laboratories. The system is fully integrated into our GINA Software Solution. Important features include increased radio protection, lower sample volumes and faster analysis times, which are essential if you need to work with isotopes. Our solution contains an FID for optimal detection of residual solvents, the right column and an automatic injector. The automatic injector increases safety and repeatability while reducing hands-on time.

The GC enables reliable, high-precision trace analysis with outstanding repeatability, using a Flame Ionization Detector (FID), detectors that feature best-in-class sensitivity. Rapid oven cooling, high performance flow control and backflush technology allow the user to shorten analysis times greatly for significant gain in productivity.
The liquid injector ensures high repeatability and automatized injection of your blank, standard and the QC sample.

Features

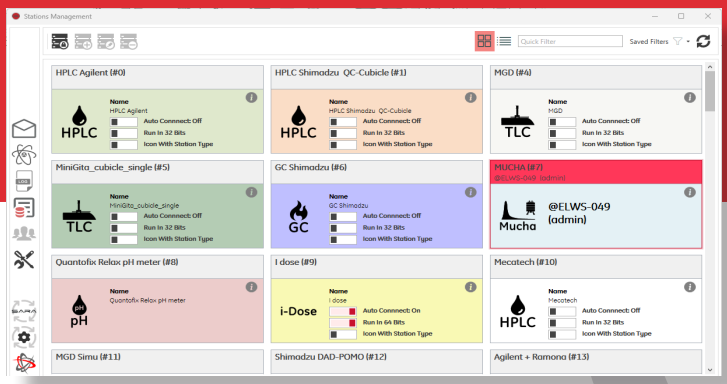
GINA X user interface provides convenient access from a PC to edit methods and sequences, access instrument status, and run diagnostics from any place within reach of your lab network.

The GC has been optimized for reliability and longevity against gas contaminants.
Autoranging flame ionization detector (FID) provides a wide dynamic response range, enhances accuracy, and minimizes preparation requirements for samples that contain very high or very low compound concentrations. Automatic Liquid Sampler injector provides consistent, reliable injections of up to 16 samples on GC for more reproducible and accurate results.

ELYSIA RAYTEST

Software

The GC is fully controlled by GINA. GINA is a data a quisition and evaluation software for analytical instruments used during quality control of radiopharmaceuticals. Simply collect all data from typical Quality Control steps like radiochemicalpurity, residuals measurement, pH, endotoxin, or radio-isotopic purity. GINA X is the heart of the QC laboratory, offering a single software platform. The centralized solution is based on a SQL database. The client/server architecture allows an easy centralization and access to the instruments and data from different PC's. With all data stored in the central SQL database, it is easy to secure the data integrity and be fully GMP and CFR 21 part 11 compliant.



Specifications

Technical

Autoinjector	With 16 sample vials
Detectors	3
Flame ionization detector (FID)	Maximum operating temperature 425 °C MDL <3 pg carbon/s as tridecane Linear dynamic range >107 with N2 carrier and 0.29-mm id jet Full range digital data path enables peaks to be quantified over the entire 107 concentration range in a single run
GC Detector MDLs	Standard
GC Diagnostics - Leak Check	Standard (manually cap septum purge)
Inlets	2
Maximum Temperature Ramp Rate	75 °C/min
Operating Temperature Range	+8 °C above ambient to 425 °
Oven Cool Down	300 °C to 50 °C in 5.7 minutes (25 °C ambient)
Peak Area Repeatability	<2% RSD
Retention Time Repeatability	<0.06%
Typical Pressure Control	0.01 psi
Valves	3
Line voltage	00/120/200/220/230/240 Volts ±10 % of nominal (50/60 Hz)
Power	1,500 W at 100 V; 2,250 W at all other voltages

Physical (without liquid injector)

Height	49 cm
Width	58 cm (68 cm with side mounted detector)
Depth	54 cm
Average weight	51 kg

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