MUCHA NOVA

MULTI-CHANNEL ANALYSER FOR γ-SPECTROSCOPY

Designed for the analysis of radiopharmaceuticals or low activity analysis in food, water and waste samples.

- RADIONUCLIDE IDENTIFICATION
- RADIONUCLIDIC PURITY
- LIVE SPECTRUM DISPLAY
- AUTOMATIC ENERGY CALIBRATION

The MUCHA is a γ-radiation detection and measurement system, designed for the gamma-ray spectroscopy analysis of radiopharmaceutical samples. It is also the perfect solution for the analysis of environmental samples or the determination of very low activities in food, water or waste samples.

ELYSIA RAYTEST

The system is fully integrated into the GINA X software. The software facilitates easy and intuitive use.

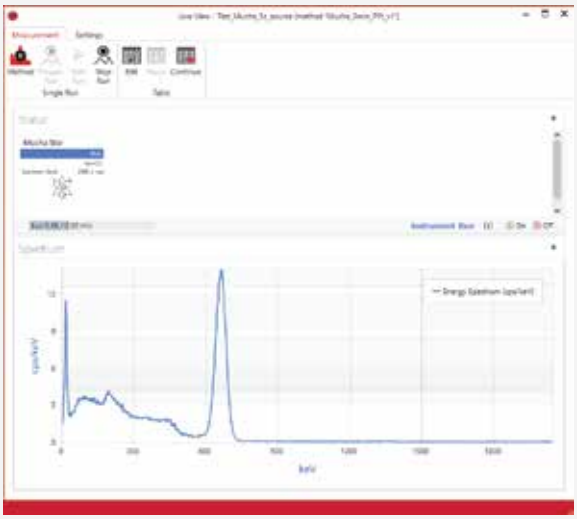
GINA X includes a live spectrum display, advanced spectral analysis, manual and automatic data analysis, calibration, peak integration and radionuclidic purity determination (in %).

All dates are stored in the GINA X SQL database and are intergrated into the optional SARA software solution.

The software is designed for GMP use and compliance with the technical requirements of the 21 CFR part 11. It also includes a comprehensive audit trail and data file protection.

For advanced GMP needs the system can be extended with a user-access control module and an analysis certificate generator.

Different measurement modes and settings are available. Automatic energy calibration is achieved by using a suitable calibration source. Background spectra can be accumulated and subtracted automatically. In order to offer a suitable spectrum display, "low", "medium" and "high" energy ranges can be selected.



Features

- Radionuclidic identification & purity (in %)
- Half-life time determination
- Calibration to Bq
- Live spectrum display
- Nucleic database
- Measurements management
- Internal shielding with shielded lid
- Simple operation with GINA X software.

Technical specifications

Range	4096 channels
Energy range	0-2048 keV
Status light LED	Ready, Waiting, Measuring, Error
Digital communication	USB 2.0 and Ethernet 10/100Mbit/s
Lower discriminator	adjustable
High voltage	0-1200 V
Preamplifier/amplifier	automatic
Display	on PC (GINA 10.x)
Power	100-240 VAC, 50-60 Hz

Physical specifications

Dimensions	W250 x H450 x D430 mm
Weight	105 kg including lead shielding.

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