

l'acn S.r.l. Via XXV Aprile 9/13 20023 Cerro Maggiore-MI Tel. 0331 420303	Multicromatogramma 1024	Rev. 02 del 27-09-13
		Pag.1 di 2

TLC Radiochromatography Instrument

Multicromatogramma 1024

- DATA SHEET -

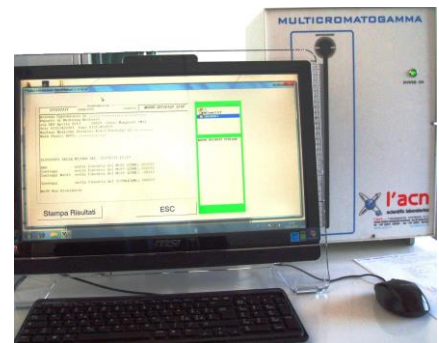


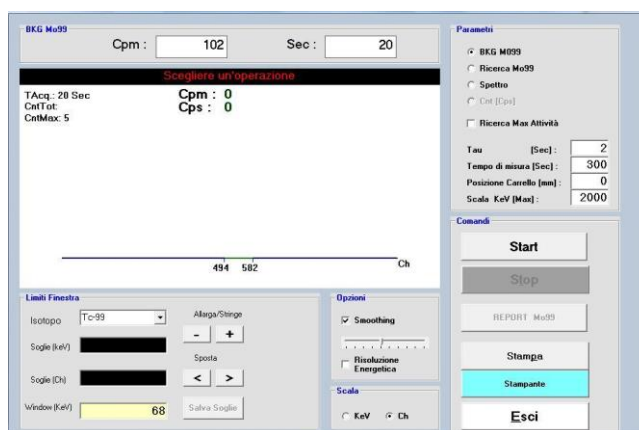
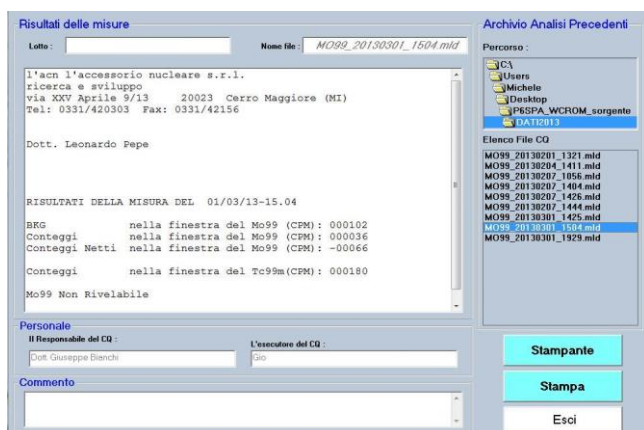
UNI EN ISO 9001:2008
UNI CEI EN ISO 13485:2012



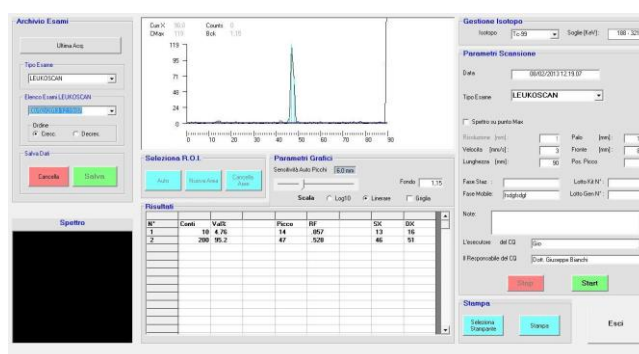
Description

By a built in MCA analyzer, **MULTICROMATOGAMMA 1024** ensures a comprehensive quality control, both for the chemical composition of the marker and for the energy of the emission (i.e. , for the research of possible radioactive impurities in the compound). **MULTICROMATOGAMMA 1024** mounts a NaI(Tl) detector sized 1.5" x 1.5", in a configuration which allows, in the front part, to perform chromatography on thin film or paper. The main mechanical parts are the lead collimators; it is possible to adjust the front slit opening from 0 to 5 mm, in order to obtain the best compromise between resolution and sensitivity. **MULTICROMATOGAMMA 1024** is connected to a personal computer which controls the scan speed and digitally acquires data from the unit, sending them to a printing device or to a video display. The personal computer also allows to store the acquired chromatographic curves for a later elaboration.





WCROM chromatography software, supplied with the unit, allows to find automatically any activity peak in the graphics, to calculate the gaussian curves related to them and to extrapolate the percentual values of each area, as well as the RF for any compound.



Example of images

TECHNICAL SPECIFICATIONS(*)

Multicromatogramma 1024

- DETECTOR: Nal (TI) 1.25" x 1.25"
- CHANNEL: 1024
- LEAD SHIELDING: 1,75 cm lead thickness on the sides, 1 cm on the top and bottom
- FINISH: powder coat
- COLLIMATOR: 1,5 cm lead thickness, opening slit adjustable from 0 to 5 mm
- SCAN SPEED: from 1 mm/sec. to 20 mm/sec
- INTERFACE TO PC: RS232/USB
- DIMENSIONS (without PC): 330 x 330 x 500 h mm
- POWER SUPPLY: 220 V

Software WCROM

- LANGUAGES: Italian/English
- RADIONUCLIDES: ^{99m}Tc ⁹⁹Mo ¹¹¹In ¹³¹I ¹²³I ¹⁸F ⁹⁰Y ¹³⁷Cs ¹³³Ba ⁵⁷Co
- Unlimited user defined isotopes.
- MANUAL: English/Italian user guide

- Real-time acquisition
- Automatic/manual peak search
- Data storage and reports
- Spectrum Analysis and adjustable window acquisition
- Auto Search of Mo⁹⁹ impurity

Computer

- Windows™-based PC
- Software WCROM
- LCD Monitor
- Color Inkjet Printer

* Specifications may be subject to change without notice