

QC-CUBICLE

EXTENSION MODULES

EXTENSION MODULES FOR SAMPLE PREPARATION AND ADDITIONAL RADIO-HPLC SYSTEMS

OPTIMIZE YOUR WORKFLOW AND RADIATION PROTECTION WITH
MINIMAL COST AND NEED FOR SPACE.

- INCREASED RADIATION PROTECTION
- OPTIMIZED WORK FLOW
- SPACE SAVING AT MINIMAL COST
- EXTENDED PRODUCTION CAPACITY



The QC-Cubicle is our all-in-one Quality Control lab for the production of radiopharmaceuticals. To optimize the radiation protection, work flow during quality control, and to extend QC to other tracers, Elysia-raytest has developed two extension modules for the QC-Cubicle :

The **Sample Preparation Module** and the **Tracer Extension**.

Both have the same design as the QC-Cubicle and are perfectly integrated add-on units. These modules can be part of a turn key solution or an upgrade to the existing lab. Labs can also benefit from the advantages of both modules as they can function as single standalone solutions.



QC-CUBICLE SAMPLE PREPARATION MODULE

The sample preparation module has been designed to optimize work flow, whilst increasing radiation protection for the user. It comes with built-in waste containers for daily production and decontamination. The module is delivered with special sample holders, small shielding and working tools to facilitate production and to minimise hands-on time. The automatic door opener for waste makes the work flow smoother, safer and easier. The preparation module incorporates an optional integrated TLC plate dryer. This unique software controlled solution standardises drying, actively extracts solvent gases, and increases user safety.

QC-CUBICLE TRACER EXTENSION

The QC-Cubicle tracer extension can simply be added to the QC-Cubicle. The extension enlarges the module by 62cm and creates enough space to house an additional Radio-HPLC system, whilst also enlarging working and storage capacity. Depending on the application, the additional HPLC system can be configured with a large range of modules and detectors.

Technical Specifications

QC-CUBICLE SAMPLE PREPARATION MODULE

Preparation bowl	A stainless-steel preparation bowl with 5 cm lead shielding for optimal radiation protection.
Automatic waste trap	Access from the preparation bowl to the waste container is closed by a shielded door. To open the door, a sensor recognizes the hand of the operator and opens the door. This gives an optimal protection without compromising sample handling.
TLC plate dryer	This device is optional. The dryer allows the user to set and register drying time and ensures stable and controlled drying conditions of the TLC plates. The dryer is connected to an air extraction device to ensure that no radioactive particles from the TLC plate contaminate the ambient air.
Preparation tool kit	The kit consists of lead shielded transport holders for the QC sample and different sample preparations, as well as a syringe holder and some mirrors for optimal sample preparation with minimal exposure to radiation.
Decontamination chamber	In the lower part of the prep module, a lead shielded chamber allows the safe storage of contaminated syringes and HPLC columns.
Waste containers	The large and well shielded compartment allows storage and access to two waste containers. One waste container is accessible via the waste trap and is applied for the daily production, the second is used for the decrease of the radioactive waste.



QC-CUBICLE SAMPLE PREPARATION MODULE

Work bench	Stainless steel workbench with illumination.
Shelf	Adjustable cupboard for the installation of an additional HPLC system. The HPLC system can be configured and ordered according to the specific needs of the customer.
Floor cupboard	Floor cupboard for extra storage space.

Physical Specifications

Weight	Approx. 1300 kg (2866 lbs)
Size	W75 x D80 x H190 cm (W29,5 x D31,5 x H74,8 inch)



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