NOKI

NOKI
TECHNOLOGIES

Noki Technologies, a privately-owned family business operating through two decades in the Nuclear Medicine and Nuclear Energy. Leveraging our expertise, we bring to the fore, Advanced Measurement & Automation Instruments. Our focus on innovation and precision drives us to deliver solutions tailored to the evolving demands of our clients.

XSYNTH 10

GALLIUM SYNTHESIZER

TECHNOLOGY

Solution for efficient routine production of 68Ga-, 111In-, 177Lu-, and 90Y-DOTA conjugated peptides by using the same setup. Positron emission tomography (PET) is widely used for a variety of applications involving radioisotope techniques.

The use of our fully automated radiosynthesis device XSynth10 significantly increases synthesis yields and reduces radiation exposure of the operator to a minimum when labelling 68Ga-/111In-/177Lu- and 90Y-DOTA conjugated peptides.

ADVANTAGES

The laboratory equipment XSynth10 has been specifically designed to allow versatile and efficient routine production of different tracers without cross-contamination issues and complying with GMP requirements. XSynth10 setup for the labeling of 68Ga-DOTA, 111In-DOTA, 177Lu-DOTA and 90Y-DOTA peptides will be combined with a Heater Reaction Module (HRM), a Syringe Module (SYM) and a Single Stopcock Module (SMM) when performing the pre-purification method for 68Ga labeling. Single-use sterile cassettes ensure easy handling bY click'n'start technology. An easy-to-program intuitive raphical interface is used to control the synthesis process..

CASSETTES

Cassettes are assembled under GMP-compliant clean room conditions, sterilized with gamma☐radiation, and double vacuum-packed. All consumables used are chemical resistant and have been tested for their suitability with the specific syntheses. A shelf life of 12 months can be guaranteed.
All cartridges are included and preconditioned automatically if necessary. Due to the cassettes one-time use no cleaning, drying, or sanitation routines are necessary

SOFTWARE

The User Software is designed for easy operation with complete control of the system given to the user at all times. Software has the following features –

- Pause run & restart from paused state.
- View & control the program from multiple screens with varied permissions.
- levels of permissions – Engineer, Administrator & User.
- Logging all the stages of a run.
- Optional Brother Label Printer integration for cyclotron production.

ENGINEER. EMPOWER. INNOVATE.

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