

## RADIONUCLIDE $^{82}\text{Sr}$



Automated installation for  $^{82}\text{Sr}$  radionuclide production

### Areas of Application

The radionuclide is used for creating  $^{82}\text{Sr}/^{82}\text{Rb}$  generator applied in cardiodiagnostics

### Specification

The installation and technology are based on unique isochronous cyclotron U-240. The cyclotron generates protons with an energy of 70 MeV, which irradiate the target RbCl. The  $^{82}\text{Sr} / ^{82}\text{Rb}$  generator can be used in positron emission tomography for one month without replacement

### Advantages

There are no analogs in Ukraine. Cheaper than the foreign analogs. Enables not to install a cyclotron and a radiochemical laboratory at clinics, which significantly reduces the cost of cardio diagnostics

### Stage of Development.

#### Suggestion for Commercialization

IRL3, TRL3

Manufactured and supplied, upon request

### IPR Protection

IPR1

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