

PORTABLE $^{99}\text{Mo}/^{99\text{m}}\text{Tc}$ GENERATOR



Plant for Mo-Zr gel synthesis



$^{99}\text{Mo}/^{99\text{m}}\text{Tc}$ generator

Areas of Application

The portable $^{99}\text{Mo}/^{99\text{m}}\text{Tc}$ generator is to be used at hospitals. Sodium pertechnetate- $^{99\text{m}}\text{Tc}$ is radiopharmaceutical widely used in nuclear medicine for the diagnosis of tumors in various locations and non-tumor pathologies of the body

Specification

The generator working material is Mo-Zr-gel synthesized using ^{99}Mo obtained through irradiating natural molybdenum oxide by neutrons from WWR-M research reactor of INR of the NAS of Ukraine. The physical and chemical properties of sodium pertechnetate- $^{99\text{m}}\text{Tc}$ meet the requirements of the European Pharmacopoeia

Advantages

Not manufactured in Ukraine;
cheaper than the foreign analogs

Stage of Development. Suggestion for Commercialization

IRL4, TRL4
Manufactured and supplied, upon request

IPR Protection

IPR1

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