

# Unitech

## Technetium-99m Generator



### *For the Production of Sodium Pertechnetate Technetium-99m Injection*

The Unitech Technetium-99m Generator is prepared with fission-produced Mo-99 absorbed onto alumina in a lead shielded column. This generator provides a closed system for the production of sterile metastable technetium-99m, which is produced by the decay of Mo-99.

#### FEATURES

1. Stable supply and delivery are flexibly provided at your required activity.
2. Offer generators any kind of activity to meet customer's requirement and need.  
(0.2 curies to 5 curies)
3. Calibration date can be adjusted quite flexibly as your requirement.
4. Provide a complete radiation protection system designed to minimize occupational exposure.

#### INDICATIONS

- Vesico-ureteral Imaging
- Brain Imaging
- Thyroid Gland Imaging
- Salivary Gland Imaging
- Placenta Localization
- Blood Pool Imaging
- Nasolacrimal Drainage System



# Unitech Technetium-99m Generator



## DESCRIPTION

The Unitech Technetium-99m Generator is in Sodium Chloride 0.9% as a sterile, non-pyrogenic, diagnostic radiopharmaceutical suitable for intravenous injection, oral administration, and direct instillation. The pH is 4.5-7.5. The eluate should be clear, colorless, and free from visible foreign material. Each eluate of the Unitech Technetium-99m Generator should not contain more than 0.0056MBq (0.15 microcuries) of Molybdenum Mo-99 per 37MBq (1 millicurie) of Technetium Tc-99m per administered dose at the time of administration, and not more than 10 micrograms of aluminum per milliliter of the Technetium Tc-99m Generator eluate, both of which must be determined by the user before administration. Since the eluate does not contain an antimicrobial agent, it should not be used later than one (1) working day after the elution (12 hours).

Designed to provide enhanced radiation protection, the Unitech Technetium-99m Generator, through the use of tungsten shielding in our larger activity offerings, aids in decreasing the occupational exposure to you and your staff.

## HOW SUPPLIED

<i>Distribution</i>	Direct/Distributor
<i>Calibration Day</i>	Monday, Tuesday and Wednesday each week
<i>Expiration</i>	14 days post manufacture
<i>Storage Conditions</i>	Controlled room temperature 1 ~ 30°C (34 ~ 86°F)

## ORDER INFORMATION

Description	Quantity	Unit	Size (Ci)	Size (GBq)
Generator, Mo99 (T)*	1	each	1.5 ~ 5.0	55.5 ~ 185.0
Generator, Mo99 (L)*	1	each	0.2 ~ 1.5	7.4 ~ 55.5

\*On order information, abbreviation indicates type of internal shielding available: (L=Lead, T=Tungsten). Lead and tungsten shields are required to be returned. Please contact your local sales representative for return program training.