

SECURING THE SUPPLY CHAIN

Tc-99m Generators

BWXT Medical's innovative technologies and state-of-the-art facilities are helping secure a reliable supply of nuclear medicine products, including Molybdenum-99 (Mo-99) for use in our proprietary Technetium-99 metastable (Tc-99m) generators currently in development.

Stability of Supply

Historically, Mo-99 has been produced within aging research reactors using uranium as the starting material. Our scalable and redundant target delivery systems, designed by BWXT and operated at commercial power reactors, will offer a step-change in dependability of supply.



*Currently in development

BWXT Medical Advantage

Once approved, these Tc-99m generators will offer drop-in replacements to existing generators:

- Comparable function and form
- No need to change pharmacy operations
- Elutes in minutes
- Tested with a range of cold kits
- Generator return program

North America's only Mo-99 Producer

After receiving approval, Mo-99 produced at Ontario Power Generation's Darlington Nuclear Generating Station, will be processed at BWXT Medical's facility and incorporated into Tc-99m generators for delivery to radiopharmacies and hospitals across North America.



Natural Molybdenum target fabrication

No proliferation risk, no uranium.



Irradiation at commercial power reactors

Highly reliable sources.



Co-located processing and generator facility

Streamlined operations for shorter time from irradiation to production.

BWXT Products Available:

- Indium (In-111) Oxyquinoline Solution (US only)
- Indium-111 Chloride Radiochemical
- Iodine-123 Sodium Iodide Radiochemical
- Iodine-123 Sodium Iodide Oral Solution (Canada only)
- Germanium-68 Chloride Radiochemical Solution
- Strontium-82 Chloride Radiochemical Solution
- Actinium-225 Chloride Radiochemical

People Strong
INNOVATION DRIVEN >

BWXT Medical Ltd. provides its customers, who conduct life-saving medical procedures for patients around the world, the benefit of decades of experience in the development, processing, packaging and delivery of medical isotopes. Headquartered in Ottawa, Ontario, BWXT Medical employs approximately 300 highly-skilled people in Ottawa and Vancouver, British Columbia. BWXT Medical is part of the Commercial Operations segment of BWX Technologies, Inc. (NYSE:BWXT), headquartered in Lynchburg, Virginia, U.S.A. BWXT is a Fortune 1000 and Defense News Top 100 manufacturing and engineering innovator that provides safe and effective nuclear solutions for global security, clean energy, environmental restoration, nuclear medicine and space exploration. With approximately 8,700 employees, BWXT has 15 major operating sites in the U.S., Canada and the U.K. In addition, BWXT joint ventures provide management and operations at a dozen U.S. Department of Energy and NASA facilities. Follow us on LinkedIn, X, Facebook and Instagram, and learn more at www.bwxt.com.

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BWXT Medical

447 March Road
Ottawa, ON, Canada K2K 1X8

Regional Office

4004 Wesbrook Mall
Vancouver, BC, Canada V6T 2A3

Customer Service

isotopeorders@bwxt.com
North America: +1.800.267.6211
International: +1.613.963.2621
General Emergency: +1.613.963.2300

bwxtmedical.com

