

# 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.

## 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 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

## 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, pharmaceuticals and medical devices. Headquartered in Kanata, Ontario, BWXT Medical employs approximately 300 highly skilled people in Kanata 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 leading supplier of nuclear components and fuel to the U.S. government; provides technical and management services to support the U.S. government in the operation of complex facilities and environmental remediation activities; and supplies precision manufactured components, services and fuel for the commercial nuclear power industry. With approximately 6,600 employees, BWXT has 12 major operating sites in the U.S. and Canada. In addition, BWXT joint ventures provide management and operations at more than a dozen U.S. Department of Energy and NASA facilities. Follow us on Twitter @BWXTech and learn more at [www.bwxt.com](http://www.bwxt.com).

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