



# CONTRACT MANUFACTURING SERVICES

BWXT Medical is a trusted partner for contract development and manufacturing services for life science and pharmaceutical companies. Uniquely positioned between pharma and traditional nuclear medicine, we offer decades of experience manufacturing and shipping sophisticated radiopharmaceutical products, a highly specialized workforce, and extensive nuclear regulatory expertise.

## Develop and Grow Your Product with a Proven Partner

### Isotope Sourcing & Manufacturing

- Irradiation partners with the largest cyclotrons, and research and power reactors
- Broad portfolio of isotopes for diagnostic and therapeutic use

### Custom Manufacturing

- Complex radiochemistry and radiolabeling expertise
- Develop and manufacture radiochemicals and APIs suited to your needs
- Radiopharmaceutical unit doses in a variety of configurations
- Automation solutions to increase efficiency

### Global Logistics

- Over 40 years' experience shipping nuclear medicine products worldwide

### cGMP Facilities

- 200,000 ft<sup>2</sup> cGMP/GLP radiopharmaceutical manufacturing facility
- Turn-key facilities with the capacity to grow as your product grows
- Support from clinical trials to large-scale commercial production

### Quality and Regulatory Expertise

- Exemplary record of regulatory compliance
- Compliance with Medical Device, API, and Drug Product regulations
- Sterile product manufacturing
- Qualified and licensed shipping containers
- Integrated QMS throughout all processes

## Targeted Therapies



BWXT Medical is working with pharmaceutical partners to develop radiotherapeutic isotopes that can be used in targeted radionuclide therapies (TRTs) for the treatment of diseases such as cancer.

### High Purity Actinium-225 (Ac-225)

Ac-225 is one of the rarest medical isotopes on earth. When it undergoes radioactive decay, it releases a highly cytotoxic dose of alpha particles that can effectively kill tumor cells without causing harm to the healthy tissue that surrounds them.



## TheraSphere™



BWXT is under contract by Boston Scientific Corporation to manufacture TheraSphere™, an implantable Class III medical device used to treat liver cancer, at our Ottawa, Ontario facility.



## Radiopharmaceutical Manufacturing Expertise

We have a rich history of manufacturing innovative radiopharmaceuticals including:

- Iodine-131 Tositumomab, a non-Hodgkin's lymphoma therapeutic
- Y-90 Chloride Sterile Solution to radiolabel a radiopharmaceutical to treat non-Hodgkin's lymphoma
- Iodine-125 Solution for brachytherapy sources
- Rubidium-82 generators for cardiac PET imaging
- P-32 Coated Stents used for coronary artery disease
- Iodine-131 MIBG for imaging and treating certain types of neuroendocrine tumors

APPROXIMATELY **300 EMPLOYEES** OVER **40,000 SHIPMENTS/YEAR** ACROSS MORE THAN **30 COUNTRIES**



### BWXT'S GLOBAL FOOTPRINT

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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