

MDS Nordion

Science Advancing Health

MDS Nordion is a global leader in providing innovative technologies for medical imaging, targeted cancer treatments, and sterilization of medical devices. Its innovation touches the lives of millions of people in more than 70 countries around the world.



Headquartered in Ottawa, Canada, MDS Nordion operates in an estimated US \$4 billion market that is growing 5% – 7% a year. This growth is driven by the increased demand for earlier diagnoses of disease and more effective therapies for cancer, cardiac and other health conditions.

MDS Nordion is one of three business units that make up MDS Inc. This global life sciences company provides market leading products, services and technologies that customers need for the development of drugs and the diagnosis and treatment of disease.

Molecular Medicine

MDS Nordion is leading the way in applying molecular medicine – a science that examines the cause and severity of disease at the molecular level – to assist in the development of personalized medicine. Based on a molecular image or snapshot captured using MDS Nordion technology, health care professionals can tailor an individual's care to their specific prevention, diagnosis, monitoring, and treatment needs.

MDS Nordion supplies over half of the world's medical isotopes used in capturing molecular images. These images enable physicians to better

diagnose and treat a multitude of diseases including cardiac and neurological conditions, in addition to several types of cancers. Through collaboration with academia, government and industry, MDS Nordion can use molecular medicine to assist with faster and more effective drug discovery and the development of new therapeutics for patients.

Targeted Cancer Treatments

MDS Nordion provides targeted cancer treatments for a variety of conditions including liver and brain cancer, and non-Hodgkins lymphoma. Many of these treatments target cancer from within the body to deliver a higher concentration of treatment to the tumour.

MDS Nordion



TheraSphere®

MDS Nordion produces an innovative liver cancer treatment called TheraSphere®. This treatment is comprised of tiny radioactive glass beads that are injected into the main blood vessels of a patient's liver delivering treatment directly to the tumour. TheraSphere® targets the liver cancer cells minimizing the impact on a patient's healthy tissue. As a result, it has fewer side effects than traditional cancer therapy. The treatment is usually administered as an outpatient procedure so patients are not required to stay overnight in the hospital.

Sterilization Products and Systems

MDS Nordion technology is used to sterilize almost half of the world's single-use medical supplies and devices, such as bandages, catheters and syringes. This technology is also used to sterilize a vast array of consumer products, including food, contact lens solution and cosmetics.

Industrial Testing

MDS Nordion industrial testing products are dedicated to support industrial and public safety. This gamma radiography technology is used around the world to enhance industrial and public safety through the testing of critical structural components and systems such as bridges, pipelines and aircraft engines.

Corporate and Social Responsibility

MDS Nordion is committed to protecting the health and safety of workers, the community and the natural environment. MDS Nordion adheres to strict regulations and follows

stringent environmental, security, and health and safety practices. MDS Nordion's operations in Canada meet or exceed the standards set by The Canadian Nuclear Safety Commission. As a community partner, MDS Nordion sponsors a variety of activities that reflect its own values of trust, respect, integrity and commitment to excellence.

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