In June 2018, MURR shipped its first batch of Iodine-131 — a drug used to diagnose and treat hyperthyroidism and thyroid cancer — and is currently the only U.S. supplier since the 1980s.

In 2018, the FDA approved Lutathera, a Lutetium-177-based drug used to treat certain gastrointestinal and pancreatic cancers. MURR is currently the only U.S. supplier of Lu-177 for its use in Lutathera.

MURR is the sole U.S. supplier of Samarium-153, an active ingredient in Quadramet, which is used to relieve pain associated with human metastatic bone cancer.

With the help of scientists from Missouri S&T, MURR developed ThereSphere, a drug used to treat inoperable liver cancer. Yttrium-90, an active ingredient in ThereSphere, is created at MURR.

Source: MU RESEARCH REACTOR

MONIQUE WOO/MISSOURIAN

Since its start in October 1966, the MU Research Reactor has been developing radiopharmaceuticals for medical use across the continent.