Tabling achievements

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

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.

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

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

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.

Source: MU RESEARCH REACTOR

MONIQUE WOO/Missourian