

unique capabilities

Analytical Laboratories

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC



Shielded Cells

Overview

The F/H Laboratories include four shielded analytical cells, which allows for the analysis of samples with high radiation dose rates. Cell operators make use of the model G-HD Telemanipulators, developed by Central Research Laboratories, to handle this type of samples. The shielded cell systems are very versatile and can be used for routine tasks including: sample dilutions, pH measurements, potentiometric titrations, and density. More specialized tasks such as dissolution of solids and column purifications can also be performed in these containment units.

Features

- Ability to contain a variety of analytical techniques
- Safe and efficient approach to handling/analyzing high radiation samples
- Windows provide liquid-encased glass shielding for penetrating radiation