

# THERE ARE SOME SUPPLIES **YOU CAN'T GET** AT THE CORNER STORE...

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**Like high purity research-grade gadolinium.** But the Materials Preparation Center at the Ames Laboratory is that scientific specialty shop where researchers can go for unmatched purity and quality in rare-earth specimens.

It's also one of the few places in the world where scientists and engineers from academic institutions and industries can obtain custom-designed materials for research and development. The Materials Preparation Center uses the scientific equivalent of "common kitchen staples" such as iron (1300 pounds in the last seven years) and nickel (over 500 pounds in the last 10 years) combined to precise specifications with smaller quantities of rare-earth ingredients like lanthanum, cerium, europium, and gadolinium; creating the unique materials that hold the key to future scientific discovery and technologies.

Early in its history, the Ames Laboratory developed the processes to produce the purest rare-earth and other materials. Established in 1981, the Materials Preparation Center continues in that path, satisfying hundreds of requests for customized materials and services not available from commercial suppliers and that are unmatched in quality anywhere else in the world. MPC scientists perform their work on a cost-recovery basis.



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