

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



**OFFICE OF AIR AND
RADIATION**

August 29, 2024

Dear ENERGY STAR[®] Laboratory Grade Refrigerator and Freezer Partner or Other Interested Stakeholder:

The U.S. Environmental Protection Agency (EPA) is pleased to distribute the Final Draft, [Version 2.0 ENERGY STAR Laboratory Grade Refrigeration and Freezers specification](#). Comments may be submitted to the EPA no later than September 13, 2024. EPA plans to finalize this Version 2.0 Laboratory Grade Refrigeration and Freezers specification with an effective date of June 30, 2025.

The EPA received public comments from three stakeholders in response to the Draft 2 specification. Broadly speaking, the comments were supportive of the changes made from the Draft 1 proposal. The Agency has highlighted and responded to the comments received in note boxes throughout the Final Draft specification. Key changes reflected in the Final Draft include:

- The EPA received further comment regarding the peak variation temperature, requesting this be amended back to the Version 1.1 definition where the peak variation for high performance refrigerators is no greater than 6 degrees C. After consideration of the comments, the EPA has reverted to the original definition, finding that it aligns with the commonly accepted International Conference on Harmonization of Technical Requirements for Registration of Pharmaceuticals for Human Use (ICH) requirements.
- The EPA received feedback that the requirements for high performance solid door refrigerators were too stringent for mid-sized products. The Agency has revised the volume bins and associated maximum daily energy consumption (MDEC) requirements in this subcategory slightly to provide greater availability of qualifying products, specifically in that middle volume range.

Comment Submittal

To the extent you have final feedback for the EPA's consideration, please submit written comments to labgraderefrigeration@energystar.gov no later than September 13, 2024. As a reminder, all comments will be posted to the [ENERGY STAR Laboratory Grade Refrigerators and Freezers Specification Development webpage](#) unless the submitter requests otherwise.

Please contact me at (202) 343-9153 or Fogle.Ryan@epa.gov, or John Clinger at (215) 967-9407 or John.Clinger@icf.com with questions. For test method questions, please contact Bryan Berringer, Department of Energy, at Bryan.Berringer@ee.doe.gov, or 202-586-0371.

Thank you for your continued support of the ENERGY STAR Program.

Best Regards,

A handwritten signature in blue ink, appearing to read "Ryan Fogle". The signature is fluid and cursive, with the first name "Ryan" and last name "Fogle" clearly distinguishable.

Ryan Fogle
EPA Manager, ENERGY STAR for Medical Products

Enclosures:

[Final Draft Version 2.0 Specification](#)