

NA-XTD Influenza Neuraminidase Assay Kit



Green benefits

- Less hazardous: nonhazardous formulation for Accelerator solution
- Sustainable packaging: smaller packaging with 100% recycled content

Introduction

Thermo Fisher Scientific is committed to designing our products with the environment in mind—it's part of how we enable our customers to make the world healthier, cleaner, and safer. This fact sheet provides the rationale behind the environmental claims that use of this product results in reduced exposure to hazardous materials

and that the product has sustainable packaging. The Invitrogen™ NA-XTD™ Influenza Neuraminidase Assay Kit is composed of less hazardous reagents than our previous Invitrogen™ NA-Star™ kit and uses 100% recycled kit packaging that reduces our carbon footprint.

Product description

The NA-XTD Influenza Neuraminidase Assay Kit has been optimized for monitoring the effect of neuraminidase inhibitors (NI) on neuraminidase (NA) enzyme activity. The NA-XTD Influenza Neuraminidase Assay Kit provides the Invitrogen™ NA-XTD™ chemiluminescent neuraminidase substrate, together with necessary assay reagents and optional microplates, to measure neuraminidase activity of influenza virus, either for neuraminidase inhibitor (NI) sensitivity with virus isolates, or for cell-based virus replication or inhibition assays. The NA-XTD chemiluminescent substrate is similar to the first-generation Invitrogen™ NA-Star™ substrate, with a single structural change that provides a much longer-lasting chemiluminescent

signal, with typically higher detection sensitivity. The next-generation Invitrogen™ NA-XTD™ Accelerator solution triggers high-intensity light emission from the NA-XTD reaction product, while avoiding some of the hazards and regulatory concerns associated with the previous Accelerator solution.

Green features

Less hazardous

The NA-XTD Influenza Neuraminidase Assay Kit has been designed to reduce a chemical hazard associated with the NA-Star assay. By using the principles of green chemistry, a less hazardous alternative to the Accelerator used in NA-Star kit was identified and qualified. The new formulation is proprietary but has been fully evaluated by our toxicologists and is deemed to be nonhazardous. Please see the SDSs for this line of products at thermofisher.com/SDS

Sustainable packaging

By applying our sustainable packaging principles to the NA-XTD Influenza Neuraminidase Assay Kit, the kit was “right-sized” to minimize excess packaging and allow storage in a smaller space.

Through selection of sustainable kit materials, we have made significant strides in reducing our packaging footprint. The kit packaging is made entirely from 100% post-consumer recycled material and is fully recyclable at end-of-life. The positive impact from this material selection on energy consumption, greenhouse gas emissions, and waste generation is significant, as shown in Figure 1.

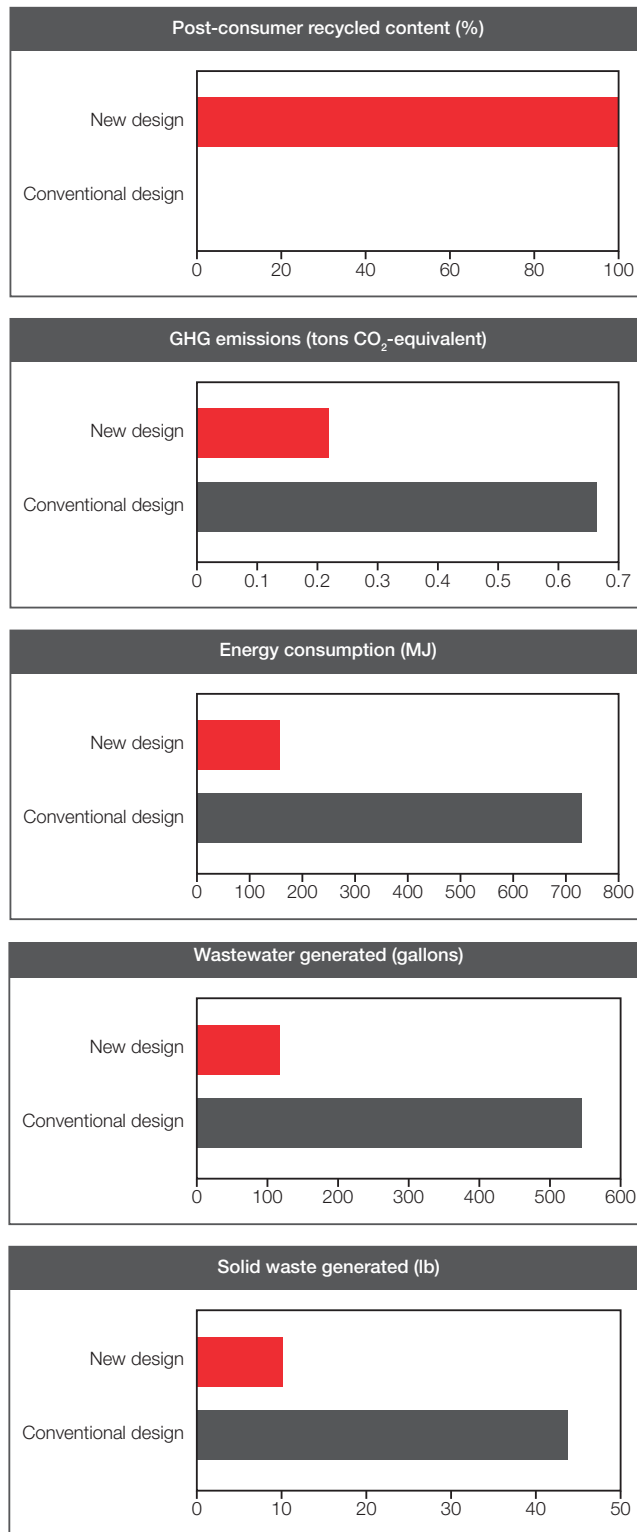


Figure 1. Impacts of packaging changes, per 1,000 boxes.

Find out more at thermofisher.com/greeneralternatives