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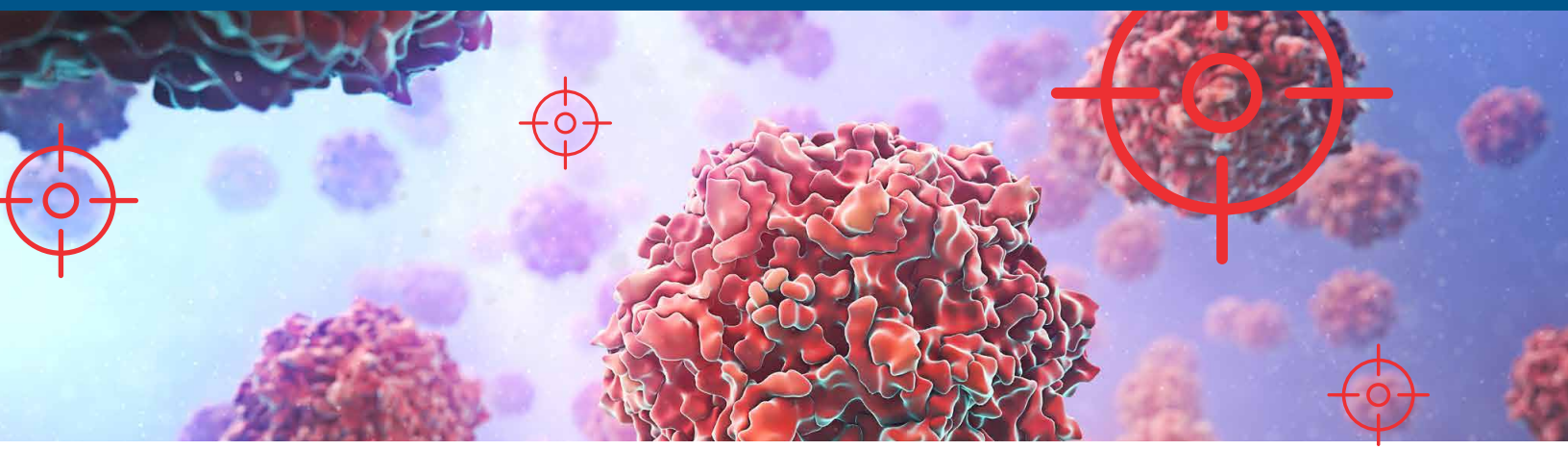

Mitigate contamination risks with HTST flash pasteurization

High-temperature, short-time (HTST) treatment of raw materials

Proactively help protect your cell culture investment

Gibco™ high-temperature, short time (HTST) treatment is an in-line pasteurization technology. It offers a risk mitigation step to prevent potential viral contaminations from entering upstream manufacturing.

The HTST process uses heat (100°C+) to inactivate any potential virus present in the raw material prior to packaging the product. Products such as glucose and other simple sugars are heated for a brief time period, to not alter the treated product's performance or viability. Integrating HTST is a critical step in having a comprehensive viral risk-mitigation program.

Proactive prevention

- Risk of contamination of plant-based raw materials exists despite cGMP adherence, animal origin–free and chemically defined raw materials, supplier risk assessment programs, and viral detection technology
- Although infrequent, viral contamination to cell culture nutrients can be a catastrophic event to manufacturing, product and patient safety, sales, and corporate reputation

HTST treatment currently available in North America

Simple sugar batch sizes ranging from 800 to 8,800 L

In-house HTST preparation can be expensive and cumbersome. Outsourcing this technology to Thermo Fisher Scientific can alleviate production bottlenecks and increase viral mitigation confidence.

Suitable and cost-effective for large volumes

Standard and custom bioprocessing containers available (5 L–1,000 L). Please contact your sales representative.

With the HTST method, high-risk raw materials such as glucose are pasteurized using a high temperature, then rapidly cooled.

Find out more at **thermofisher.com/htst**

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