Trace element finished-good testing for cell culture media

Gain the edge needed to increase your bioproduction success. Increase the quality and consistency of your product by decreasing the risk of variable media performance. With a greater focus on biologics production, it’s more important than ever to predict and control critical quality attributes. Our new Gibco™ trace element finished-good testing service provides the information you need for understanding which trace elements your specific process or cell line may be sensitive to (Figure 1).

Get detailed trace element data upon request with your Certificate of Analysis

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Tested and documentation available for the following elements:

- Chromium
- Nickel
- Cobalt
- Selenium
- Copper
- Tin
- Iron
- Vanadium
- Manganese
- Zinc
- Molybdenum

- **Customer-owned formulations**—documented values for up to 11 trace elements

- **Authorized users of customer-owned formulations**—documented values for up to 11 trace elements upon authorization from the OEM owner

- **Proprietary formulations from Gibco**—documented values for up to 2 trace elements* 

Program benefits and offerings to our customers

- **Consistency**
  - Real-time control for raw material variability

- **Predictive formulations**
  - Monitor the key raw material attributes in order to ensure desired media attributes

- **Traceability**
  - Connect customer performance to media lot variability

- **Validated test methods**
  - Validated method for ICP/MS instruments

- **Technical excellence**
  - Identify essential trace elements

- **Strategic sourcing**
  - Select manufacturing processes that meet desired specification

- **Cleanup**
  - Support new methods of scrubbing media of trace metals

- **Services**
  - Partner with customers to improve media formulations

Customer collaboration on trace element variability and critical raw materials

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**Figure 1. Using data to better meet process requirements.** Using data from Gibco, a customer was able to identify which trace element was impacting product quality due to sensitivity of their particular cell line. Thermo Fisher supported the investigation with full trace element profile data for historical lots. Using these data, the customer is now proactively reviewing the trace element profile for each lot to further understand and optimize their process and meet specific requirements.

* Documented values for up to 9 additional elements may be provided with a supplemental confidential disclosure agreement.