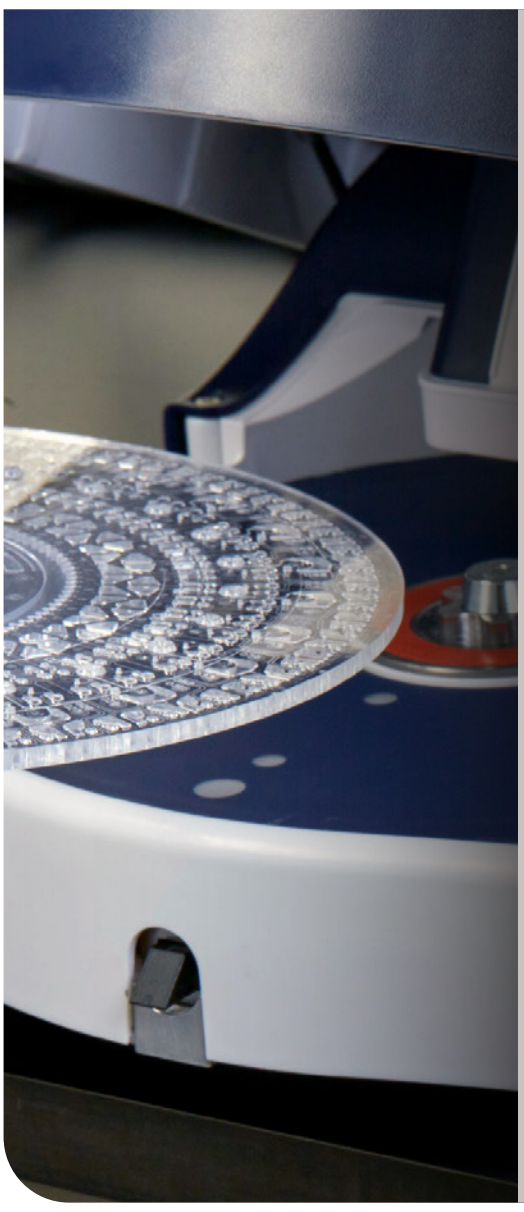
Sievers Eclipse*

3 Ways the Sievers Eclipse Simplifies and Automates Endotoxin Testing

It's no secret that manual bacterial endotoxin testing (BET) is time consuming, laborious, and prone to errors and costly retests. Now there is a better way.

The Sievers Eclipse uses breakthrough centripetal microfluidic automation to transform BET into a more efficient and sustainable process. Here are three ways the Sievers Eclipse uses automation to simplify endotoxin testing.



1.

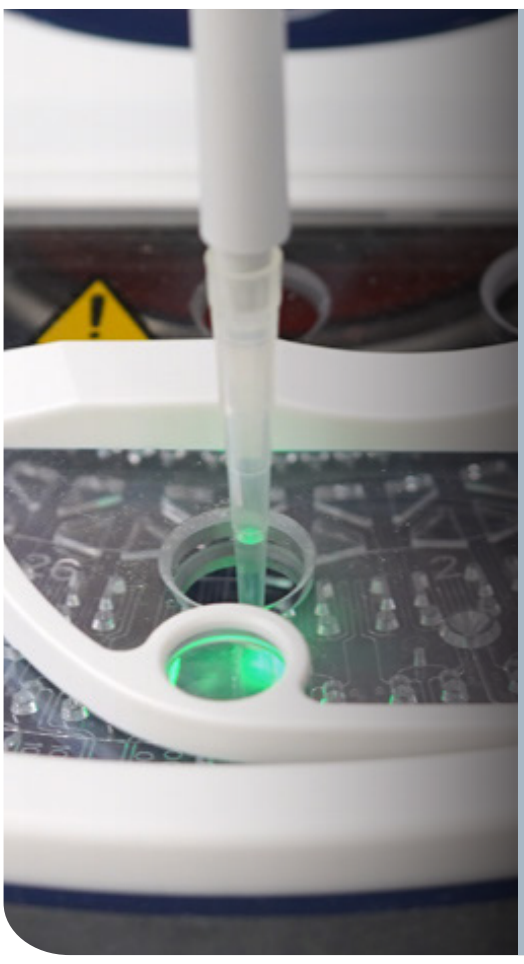
Automated Liquid Handling

Traditional Manual Test Set Up:

- Requires 200+ pipetting steps for a standard 96-well plate assay
- Each assay often takes an hour or more to set up
- Ergonomic risk for technicians from unnecessary repetitive actions
- Prone to human error
- Requires extensive training and practice to set up standard curves and spike samples

Automated Test Set Up with the Sievers Eclipse:

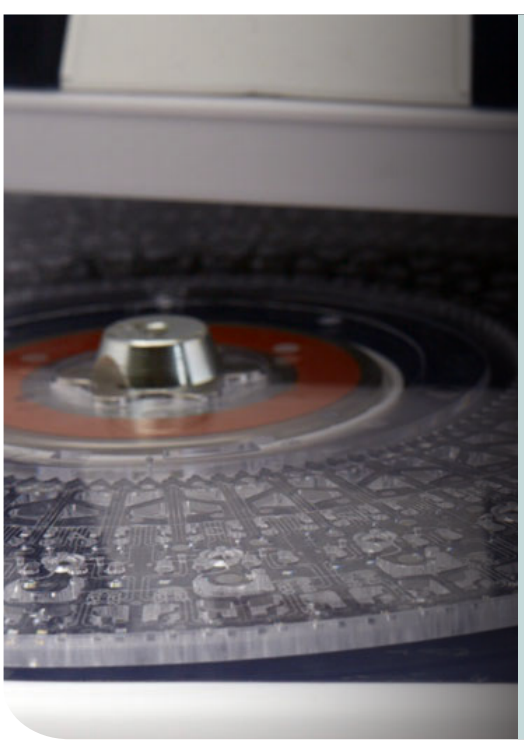
- Requires just 27 pipetting steps for a total of 21 samples
- Assays can be set up in just nine minutes
- Reduces risk for repetitive stress injuries
- Comes with embedded endotoxin standards and PPCs to automate standard curve
- Uses up to 90% less LAL
- Less chance for error



2.

Ease of Use

- Less pipetting
- Automated liquid handling eliminates need for technicians to manually create standard curves, spike samples, or add lysate to every sample
- Easy operator training – analysts can quickly be trained to use the Eclipse endotoxin testing equipment and software
- Uses standard FDA-licensed LAL reagent
- Small benchtop platform minimizes space in the lab
- No complicated robotics to install, validate, or maintain
- Streamlined set up and validation, which can be completed in two days



3.

Secure, Streamlined Data Review

- Sievers Eclipse software is 21 CFR Part 11 and ALCOA+ compliant
- Client server architecture allows for remote access
- Permission-based software increases data security
- Each test has an assay-specific audit trail
- Customizable data management, review, and sign off

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