

EndoLISA®

Endotoxin detection based on ELISA-technology

EndoLISA® is a new method for determination of endotoxin (LPS) levels where high-affinity binding of endotoxin by LPS-specific phage protein is followed by endpoint fluorescence measurement.

The heterogeneous microtiter plate-based solid phase assay format is one of the major advantages of EndoLISA®, as a results of which potentially interfering substances such as organic solvents, chaotropic substances and detergents are removed by a washing step.

This enables the EndoLISA® user to precisely determine the endotoxin level without matrix effects, without the need for dilution and with a very broad measurement range.



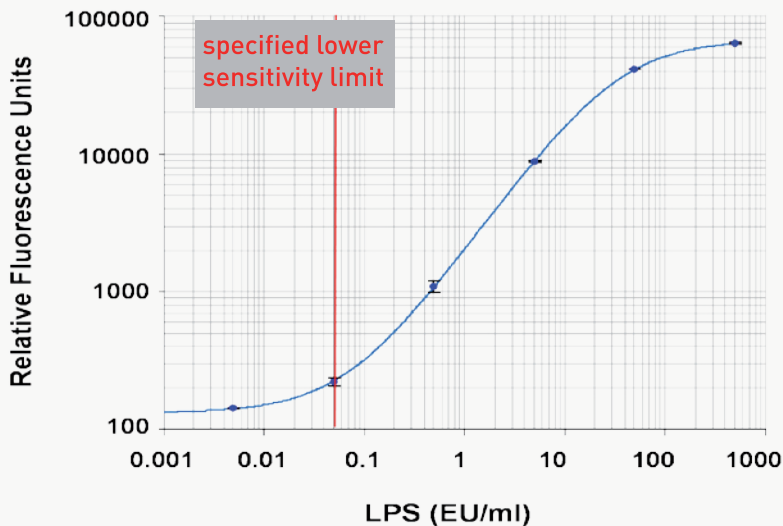
EndoLISA® benefits

- Overcomes limitations of existing methods, such as the need for substantial dilution
- Reduced matrix effects due to integrated washing step
- Robust assay with excellent reproducibility
- Broad measurement range (0.05-500 EU/ml)
- Broad pH range
- No interference at high salt conditions e.g. NaCl, GdnHCl
- All reagents necessary to run the assay included in the kit
- Saves the diminishing horseshoe crab population

For inquiries and further information please contact:
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EndoLISA® endotoxin detection standard curve



EndoLISA® correlation with LAL

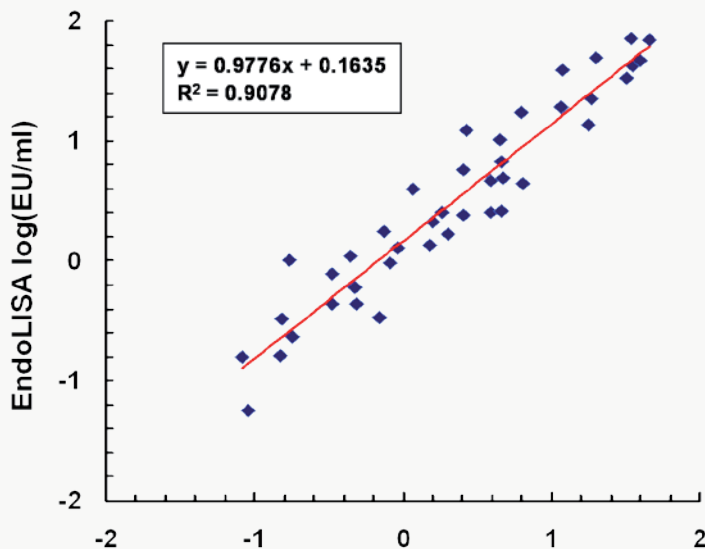


Figure left:

Correlation plot of EndoLISA versus LAL assay where multiple LPS preparations and dilutions from different bacteria such as *E. coli*, *Salmonella* and *Pseudomonas*, including LPS of mutant strains, were compared.

The endotoxin was determined quantitatively according to the manufacturer's instructions and the results (EU/ml) were plotted against each other.

The comparison shows that EndoLISA® correlates well with the commercially available LAL test, with a correlation coefficient (R^2) of 0.9078.

EndoLISA® product format

192 tests, all reagents necessary to run the assay included in the kit:

- EndoLISA® plates, pre-coated microtiter strips
- Endotoxin-free Water
- Sample Buffer
- Endotoxin Standard
- Wash Buffer
- Enzyme
- Substrate
- Assay Buffer
- Cover foils

Find out more on www.endolisa.com

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