



Haemotox rFC

Homogenous enzymatic assay for quantitative *in vitro* determination of lipopolysaccharide (LPS) in pharmaceutical and biological end-products, in-process control and research samples as well as for medical devices testing.

Assay principle

LPS activates the LPS receptor (rec. Factor C, rFC). Thus, activated recombinant Factor C (rec. Factor Ca, rFCa) cleaves a fluorogenic substrate in an enzymatic reaction. The fluorescence signal is proportional to the LPS content of the sample.

Assay time: 60 min.

rec. Faktor C $\xrightarrow{\text{lipopolysaccharid}}$ rec. Faktor Ca

fluorogenic substrate $\xrightarrow{\text{rFCa}}$ peptide + fluorescence signal

Reagents and their stability once opened

| | | |
|------------------------|------------|---------------------|
| Enzyme | 1 x 2,5 ml | Expiry date @ 2-8°C |
| Substrate | 1 x 2,5 ml | Expiry date @ 2-8°C |
| Endotoxin Standard | 2 vials | 4 Weeks @ 2-8°C |
| | | Expiry date @ -20°C |
| Water (endotoxin-free) | 2 x 100 ml | Expiry date @ 2-8°C |
| Assay buffer | 2 x 12 ml | Expiry date @ 2-8°C |
| Assay plate | 2 plates | |

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