

PyroMAT® System Monocyte Activation Test (MAT)

NEP Control Flagellin - Ref. MATFLAGELLIN

Product description

NEP Control Flagellin is a preparation of Flagellin from *Salmonella typhimurium* and supplied in a lyophilized form.

Purity: ≥ 95% (SDS-PAGE)

Flagellin is a non-endotoxin pyrogen (NEP) that activates **TLR5** receptor of monocytes and can be used as a positive control with the PyroMAT® system (Monocyte Activation Test for pyrogen detection). NEP control Flagellin is to be used for Product Specific Validation (PSV) to show that the system is able to detect non-endotoxin pyrogen contaminants.

Storage condition

Store unopened vial at -20 °C

Upon resuspension, prepare 50 µL aliquots and store up to 6 months at -20 °C.

Do not use after expiration date of the product.

Avoid repeated freeze-thaw cycles.

Quick Procedure

Resuspension:

- Reconstitute the NEP Control Flagellin with 500 µL of pyrogen-free water
- Vortex 1 minute or until complete homogenization
- Divide the obtained solution into 50 µL aliquots, into endotoxin-free microcentrifuge tubes.

This reconstitution gives a 1000X stock solution to be used for Product Specific Validation with PyroMAT® system.

After serial dilution in pyrogen-free water with 15 seconds of vortexing time between each dilution, the NEP Control Flagellin is usually used at a concentration of 0.25X, as a positive control with the PyroMAT® system.

Warning: an extended time of vortex during the dilutions preparation can induce a decrease of response in MAT assay.

PyroMAT® system products

Product	Catalog number
PyroMAT® cells	PYROMATCELLS
PyroMAT® kit	PYROMATKIT
Reference Standard Endotoxin	1.44161.0001
NEP Control Flagellin	MATFLAGELLIN
NEP Control HKSA	MATHKSA
NEP Control FSL-1	MATFSL1
NEP Control PAM3CSK4	MATPAM3CSK4
NEP Control Resiquimod	MATRESIQUIMOD

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