

## PyroMAT® System Monocyte Activation Test (MAT)

# NEP Control FSL-1 - Ref. MATFSL1

### Product description

Non-Endotoxin Pyrogen (NEP) Control FSL-1 is a synthetic lipoprotein of *Mycoplasma salivarium*, supplied in a lyophilized form.

FSL-1 is a non-endotoxin pyrogen (NEP) that activates **TLR2/TLR6** receptor of monocytes and can be used as a positive control with the PyroMAT® system (Monocyte Activation Test for pyrogen detection). NEP control FSL-1 is to be used for product specific validation (PSV) and routine testing to show that the system is able to detect NEP contaminants targeting TLR2/TLR6.

### Storage condition

Store unopened vial at 2-8 °C.

Upon resuspension, prepare 50 µL aliquots and store for up to 12 months at -20 °C.

Do not use after expiration date of the product.

### Quick Procedure

Resuspension:

- Reconstitute the NEP Control FSL-1 with 1 mL 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 500 000X stock solution to be used for product specific validation and routine tests with PyroMAT® system.

After serial dilution in pyrogen-free water with 15 seconds of vortexing time between each dilution, the 0.5X solution of NEP Control FSL-1 is used 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

### To place an order or receive technical assistance

Order/Customer Service:  
**SigmaAldrich.com/order**

Technical Service:  
**SigmaAldrich.com/techservice**

[SigmaAldrich.com/PyroMAT](https://SigmaAldrich.com/PyroMAT)

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