

## PyroMAT® System Monocyte Activation Test (MAT)

# NEP Control PAM3CSK4 - Ref. MATPAM3CSK4

### **Product description**

Non-Endotoxin Pyrogen Control PAM3CSK4 is a synthetic triacylated lipopeptide, supplied in a lyophilized form.

PAM3CSK4 is a non-endotoxin pyrogen (NEP) that activates **TLR2/TLR1** receptor of monocytes and can be used as a positive control with the PyroMAT® system (Monocyte Activation Test for pyrogen detection). NEP control PAM3CSK4 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/TLR1.

#### 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.

Avoid repeated freeze-thaw cycles.

### **Quick Procedure**

#### Resuspension:

- Reconstitute the NEP Control PAM3CSK4 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 1000X 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 0.25X solution of NEP Control PAM3CSK4 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	PYR0MATCELLS
PyroMAT® kit	PYR0MATKIT
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	MATRESIQUIM0D

To place an order or receive technical assistance

Order/Customer Service: SigmaAldrich.com/order

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Merck KGaA Frankfurter Strasse 250 64293 Darmstadt, Germany

