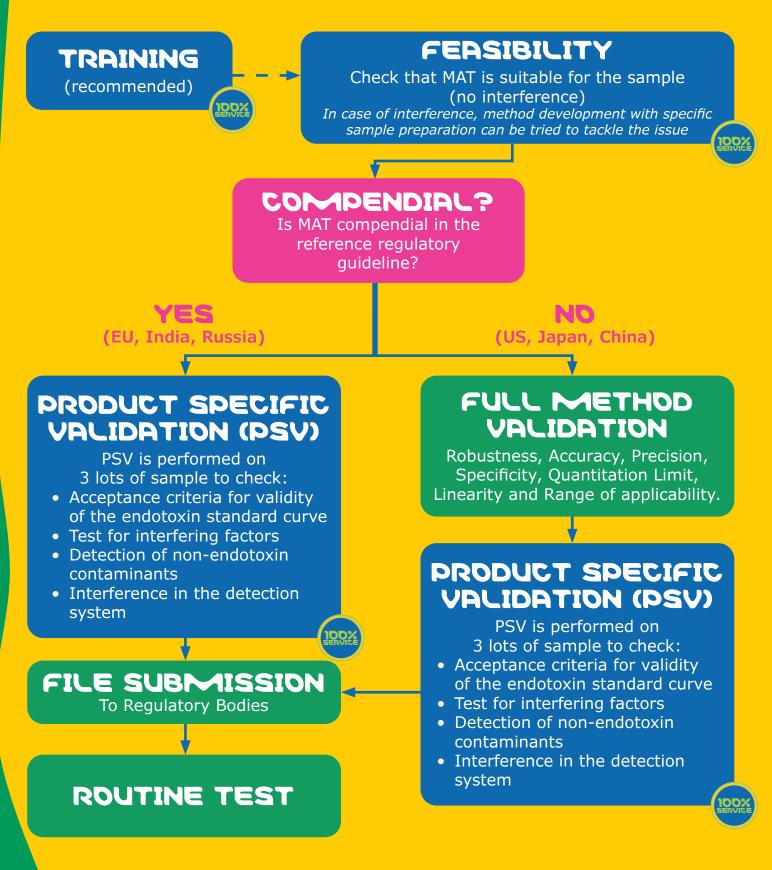


HOW-TO WORKFLOW

Implementation of our Monocyte Activation Test (MAT), the PyroMAT[®] system



DUR SERVICES & TRAININGS OFFER

APPLICATION SERVICES

- Feasibility study
- Method development
- Method development consultancy at your site or remotely
- Implementation troubleshooting
- Software data analysis for routine testing

VALIDATION

- Product specific validation consulting at your site or remotely
- Data analysis for product specific validation (PSV)

TRAINING SERVICES

E-LEARNING How to use the PyroMAT[®] system

- Interactive experience—a fun way to learn
- Screens, videos, animations, games
- Learn at your own pace
- Duration 20-30 minutes
- Certificate after passing a quiz

REMOTE SCHOOL Pyrogen Testing - Learn about the MAT

- Regulatory context and operating principle
- Implementation, validation, methods
- Test procedure demo, result analysis
- Good practices, tips and tricks, data integrity
- Open consultancy part
- Personalized and interactive experience
- Duration: up to 5h

REMOTE Method Development Consulting for PyroMAT® system

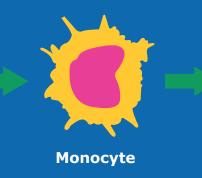
- Parameters to assess to demonstrate the compatibility of your product
- Guidance on adjustment of the method in case of interference coming from the product
- Recommendation on the most appropriate method to use routinely
- Demo of the PyroMAT[®] system
- Training on data analysis
- Duration: up to 5h + follow-up of the tests

HOW DOES IT WORK?

PyroMAT® system: the only cell-line based pyrogen test Mimics the human immune reaction

Pyrogens

- Endotoxins gram-negative bacteria
- Non-Endotoxin Pyrogens (NEPs) gram-positive bacteria, yeast & mold, virus...



 $\begin{array}{l} \textbf{Cytokines} \\ \text{IL-1}\beta, \, \text{IL-6}, \, \text{TNF-a}, \, \text{IFN-}\gamma \end{array}$

Detection of **IL-6** with ELISA test

NOW IS THE TIME! No more animal-based pyrogen tests

Shift from animal-based testing to in vitro testing.

LEARN MORE REQUEST MORE INFORMATION SigmaAldrich.com/ PyroMAT[®] System **PyroMAT**[®] info-pyromat Services & MAT Webinars & Trainings Videos SigmaAldrich.com/ • Datasheets, Application pyromat-services notes, White papers, etc... SigmaAldrich.com/ pyromat

The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.

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