



MAT for Successful Clinical Trials

Comprehensive Detection of Contaminants in Medical Drugs and Devices

Contamination Risks in Product Development:

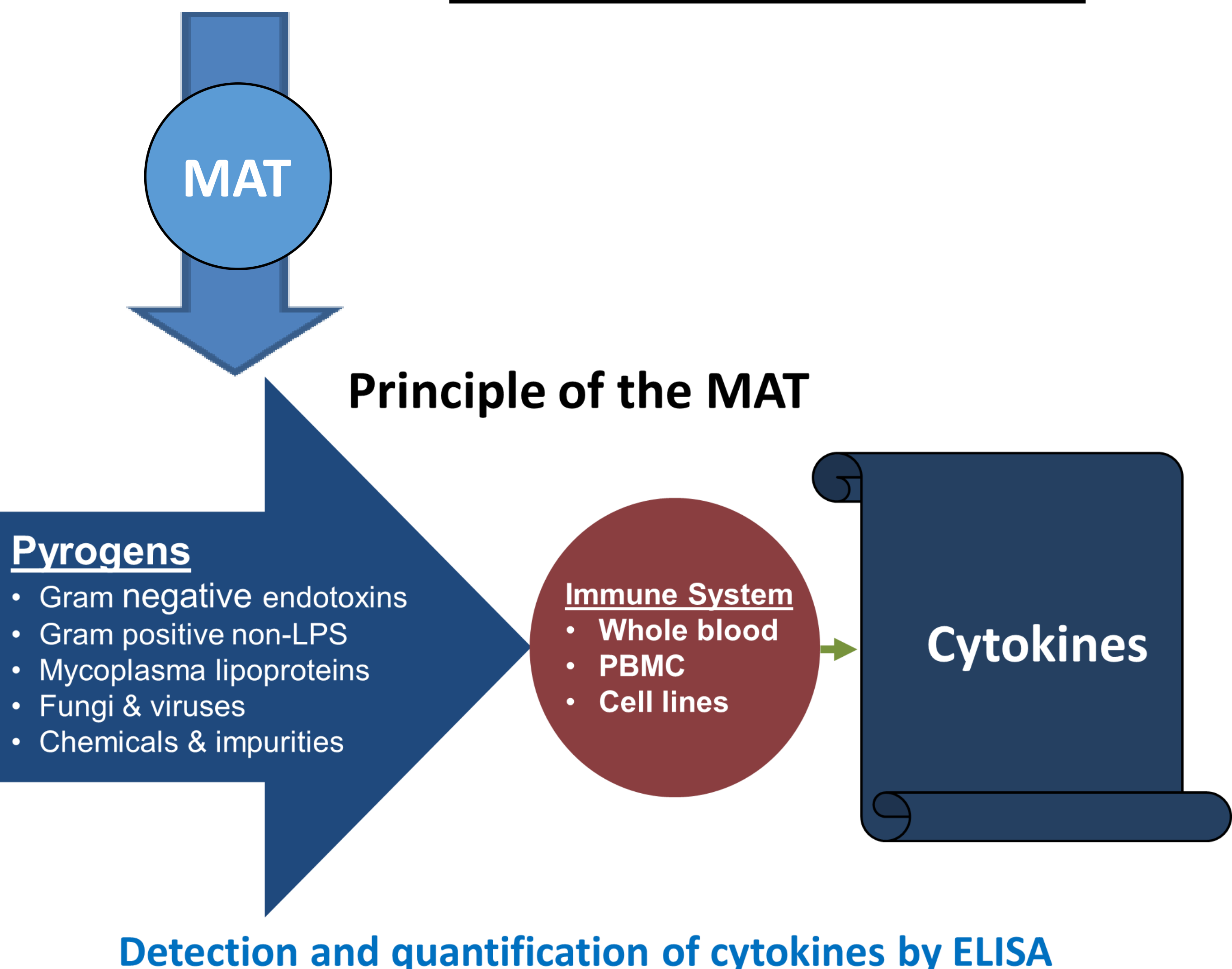
A primary challenge in therapeutic innovation

- Unexplained failures in clinical trials
- Costly losses in drug and device development
- High cost of medical care
- Lives lost

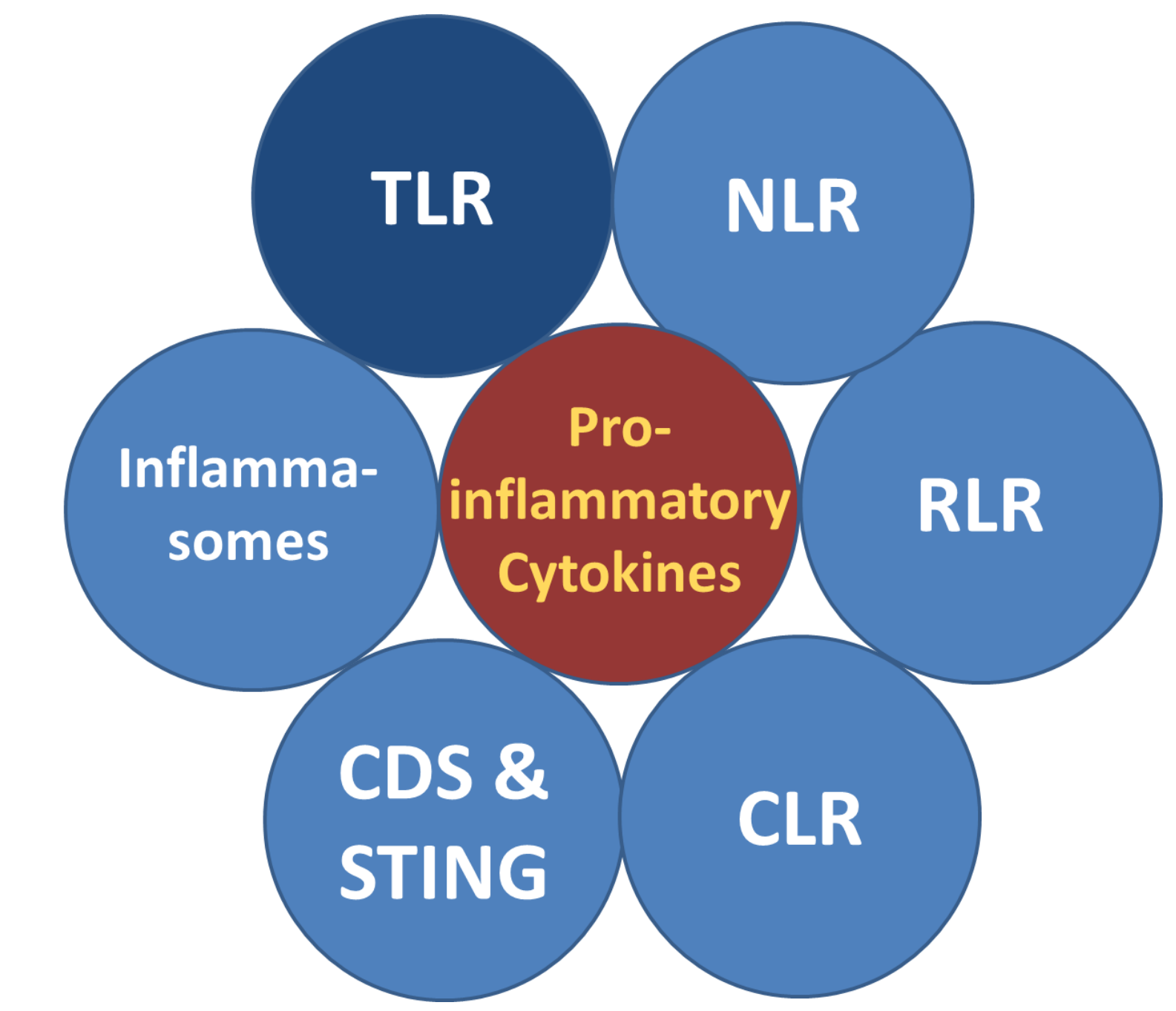
Our Solution: The Monocyte Activation Test (MAT)

- Comprehensive: detects all fever-causing substances
- Biologically relevant: based on human blood cells, not animal
- Quantitative and consistently accurate
- Rapid service : test results in less than 5 days

One Test for All Required Quality Controls



Pattern recognition receptors



All contaminants act on human blood cells through one or more proteins of the protein families known to be present in human blood cells.

MAT: The PyroDex Method

Comprehensive, accurate, rapid

| Current Microbial Detection Tests | PyroDex MAT Method Comparative Sensitivity |
|---|--|
| Horseshoe crab-based LAL Kits and their derivatives | 2 to 25X |
| Commercial MAT Kits | 5 to 125X |

Summary

- The MAT: a relevant alternative to the Rabbit Pyrogen Test (RPT)
- . Comprehensive
 - . Quantitative
 - . Versatile and scalable
 - . Relatively fast

MAT—Safer medical drugs and devices: better treatment to save more lives

Partnership Opportunities

- PyroDex offers**
- MAT preclinical testing for therapeutic products of all sizes
 - . Parenteral medical drugs
 - . Implantable medical devices
 - Subcontract MAT testing for CDMOs and CROs**
 - . Pre-clinical studies in animal models
 - . Different phases of clinical trials

PyroDex LLC <https://pyrodextesting.com>
 Contact: DjikoIngar Maouyo, Ph.D. 443.459.1374
 dmaouyo@pyrodextesting.com
 2401 W. Belvedere Ave., Schapiro Bldg., Suite 203, Baltimore, MD 21215