



In Vitro Pyrogen Test

2007

IN VITRO PYROGEN TEST

The Endosafe®-IPT is an *in vitro* pyrogen test that accurately predicts the human response to pyrogens, including endotoxins, yeasts, viruses, parasites, and other fever-causing agents. A three-year study by the European Centre for the Validation of Alternative Methods (ECVAM) has evaluated the IPT as an alternative to the rabbit pyrogen test. The IPT works by accurately predicting human response to pyrogens on the more relevant basis of human fever rather than animal models.

Endosafe®-IPT

The IPT is an ELISA assay that utilizes human whole blood. Immune cells within the blood will recognize exogenous pyrogen and, in response, release fever-inducing signal molecules that can then be measured.

IPT Product Uses

- Complex biologics
- Blood products
- Cellular therapies
- Medical devices
- Environmental air pollutants

Advantages of IPT

- Testing in relevant species (human - human)
- Testing in physiological environment
- Broad pyrogen spectrum, not only LPS
- High sensitivity
- Low variability between donors
- Simple incubation steps
- Substitution of animal testing

Endosafe®-IPT*

		Code
In Vitro Pyrogen Test Kit*	each	RMMIPT300
96-well plate with cover		
Secondary antibody		
11 mL TMB substrate		
3 X 50 mL pyrogen-free saline		
Control Standard Endotoxin		
Non-endotoxin pyrogen control		
100 mL wash buffer concentrate		
11 mL stop solution		

*This product is for research only.



The Endosafe®-IPT is an advancement over the traditional rabbit pyrogen test which is limited by species variations and the absence of standardized controls.