

PYROSTAR™ ES-F/Plate Multi-Test on the Microplate Reader - Kinetic Turbidimetric Assay (KTA)

This is a guide to explain how to perform the Kinetic Turbidimetric method with PYROSTAR™ ES-F/Plate on the Microplate Reader. Prior to performing the assay, allow the reagent to come to room temperature. Ensure that the protocol and parameters (Wavelength: 405 nm, Onset OD: 0.015, Intervals: 40 secs) are set up on Toximaster® QC8 software. The temperature of the Microplate Reader must be 37°± 1° C.



Step 4:

Label the appropriate endotoxin concentration for each dilution tube and add the appropriate volume of LRW. Using the reconstituted CSE, prepare a 10-fold dilution series for the appropriate range.

Dilutions may be prepared in different volumes if the same ratios are maintained.

Dilution series for quantitative range: 10 EU/mL - 0.01 EU/mL



Step 5:

Add 50 μ L of the endotoxin standards, controls, samples, etc., in the appropriate reaction wells.



Step 6:

Bring all contents to the bottom of PYROSTAR™ ES-F/Plate vial and reconstitute the LAL vial (volume shown on the label) with LRW. Swirl the LAL vial gently until the contents are dissolved, avoid making bubbles.



Step 8:

Insert the microplate into the reader at 37°± 1° C and select "Start" on the Toximaster® software. The time course and well data generation will start immediately.



Step 7:

Using a repeater pipette, add 50 μL of reconstituted reagent to each reaction well.



Step 9:

After completion of the run, select "Stop". Standard curves, group reports and audit trails are displayed for review.



For more detailed information, refer to the PYROSTAR™ ES-F Plate package insert.

Materials needed for Kinetic Turbidimetric Assay

Offered at FUJIFILM Wako

	Name of Products	Contents	Catalog Number
Depyrogenated Test Tubes	Borosilicate Test Tubes	13 x 100 mm (50 test tubes/pkg)	DL-13100
Endotoxin-free consumables	Aluminum Cap S	14.7 x 18 mm (100 caps/pkg)	293-28251
	LAL Reagent Water, 30 mL	20 x 30 mL glass bottle	LRW-2030
	LAL Reagent Water, 100 mL	12 x 100 mL glass bottle	LRW-12100
	BioCleanTip Wako® 200 II	200 µL/tip (100 tips/pkg)	291-35021
	BioCleanTip Wako® Extend S	200 µL/tip (100 tips/pkg)	294-35011
	BioCleanTip Wako® 1000 II	1000 µL/tip (100 tips/pkg)	298-35031
	BioCleanPlate Wako™	96 wells/plate (50 plate/pkg)	293-35221
LAL Reagents	PYROSTAR™ ES-F/Plate	Quantitative range:	WPEPK4-20015
	4 multi-test vials (2.0 mL) + 1 vial CSE (500 ng/vial)	10 EU/mL to 0.01 EU/mL	
	PYROSTAR™ ES-F/Plate	Quantitative range:	WPEPK4-50015
	4 multi-test vials (5.2 mL) + 1 vial CSE (500 ng/vial)	10 EU/mL to 0.01 EU/mL	
Microplate Reader & Software	BioTek ELx808IU	1BioTek ELx808IU unit	BIOT-808IU
	BioTek ELx808IU unit + Software	1 Personal Computer/	BIOT-35931
		Toximaster® QC8 Software	
	Part 11 software PC set	Toximaster® QC8 Software	292-35931
		with 1 Personal Computer	
	Part 11 software only	Toximaster® QC8 Software	294-35971

Not offered at FUJIFILM Wako

- Pipettes
- Test Tube Rack
- Vortex Mixer