

PYROSTAR™ ES-F Multi-Test on the Toxinometer® - Gel Clot Method

This is a guide to explain how to perform the Gel Clot method with PYROSTAR™ ES-F Multi-Test on the Toxinometer® Measurement System. Prior to performing the assay, allow the reagent to come to room temperature and the Toxinometer® to reach 37°C±1°C.

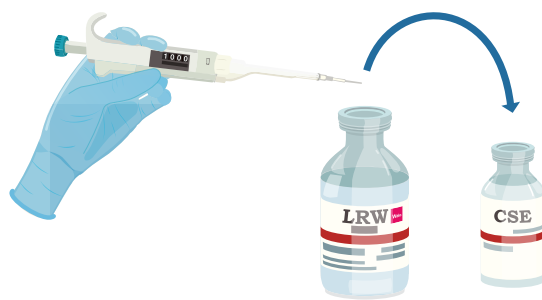
Step 1:

Select the "Start Measurement" button on the Toximaster® QC8 software prior to testing.



Step 2:

Reconstitute the Control Standard Endotoxin (CSE) with the LAL Reagent Water (LRW) to yield a concentration of 1000 EU/mL based on the Certificate of Analysis.



Step 3:

Vortex the reconstituted CSE for 2 minutes.

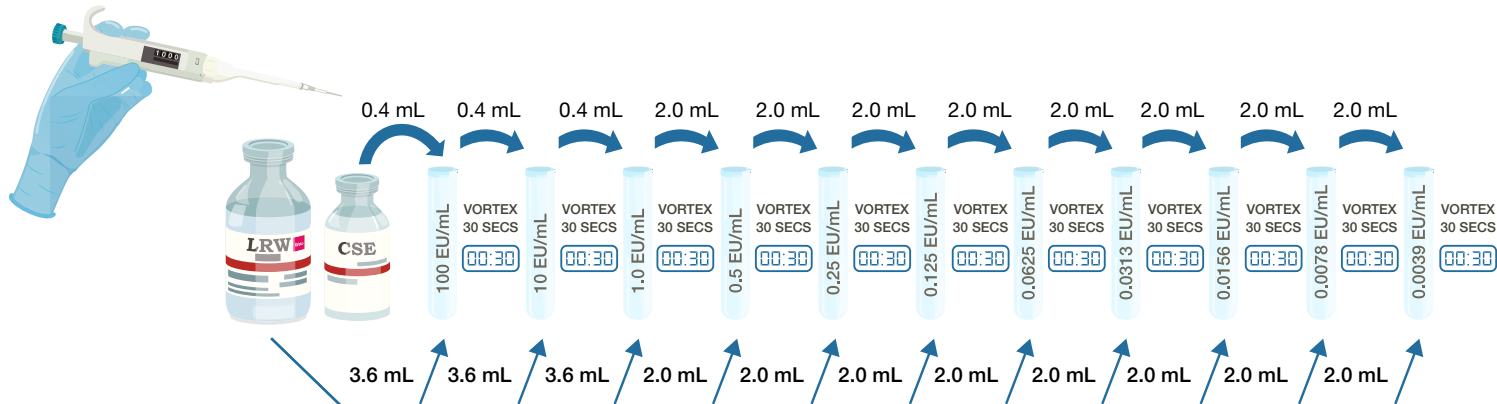


Step 4:

Label the endotoxin concentration for each dilution tube and then add the appropriate volume of LRW. Using the reconstituted CSE, prepare a 2-fold dilution series to bracket the lysate labeled sensitivity.

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

Dilution series for labeled sensitivity: 0.015 EU/mL



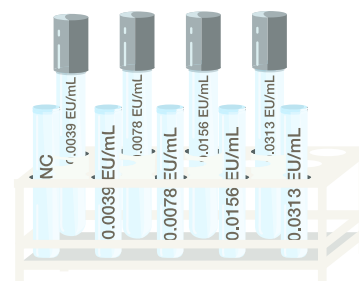
Step 5:

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



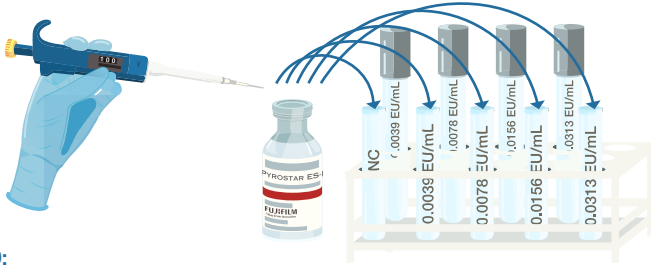
Step 6:

After adequately swirling the LAL, label each Limulus Test Tube-S (limulus tube) with the appropriate identifier.



Step 7:

Add 100 μ L of reconstituted reagent to each limulus tube.



Step 9:

Quickly vortex the content in each tube for a few seconds and immediately place in the Toxinometer® at 37°C \pm 1°C for 60 minutes (\pm 2 minutes).

Remember to have laboratory equipment in an area with no vibration.



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

Step 8:

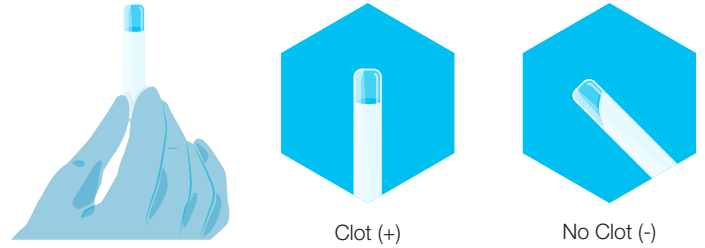
Add 100 μ L of the endotoxin standards, controls, samples, etc., to the appropriate limulus tubes.



Step 10:

After incubation, remove each tube and carefully invert 180°.

Record if the reaction is positive (+) or negative (-).



Materials needed for Gel Clot Method

Offered at FUJIFILM Wako

	Name of Products	Contents	Catalog Number
Depyrogenated Test Tubes	Limulus Test Tube-S	12 x 75 mm (100 tubes)	292-32751
	Limulus Test Tube-S with Aluminum Cap	12 x 75 mm (80 tubes)	293-26551
	13 x 100 mm Borosilicate Test Tubes	13 x 100 mm (50 test tubes)	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 μ L/tip (100 tips/pkg)	291-35021
	BioCleanTip Wako® 1000 II	1000 μ L/tip (100 tips/pkg)	298-35031
	BioCleanTip Wako® Extend S	200 μ L/tip (100 tips/pkg)	294-35011
LAL Reagents	PYROSTAR™ ES-F Multi-Test (2.0 mL) 4 multi-test vials (2.0 mL) + 1 vial CSE (500 ng/vial)	Sensitivity: 0.015 EU/mL	WPEK4-20015
		Sensitivity: 0.03 EU/mL	WPEK4-20003
		Sensitivity: 0.06 EU/mL	WPEK4-20006
		Sensitivity: 0.125 EU/mL	WPEK4-20125
		Sensitivity: 0.25 EU/mL	WPEK4-20125
	PYROSTAR™ ES-F Multi-Test (5.2 mL) 4 multi-test vials (5.2 mL) + 1 vial CSE (500 ng/vial)	Sensitivity: 0.015 EU/mL	WPEK4-50015
		Sensitivity: 0.03 EU/mL	WPEK4-50003
		Sensitivity: 0.06 EU/mL	WPEK4-50006
		Sensitivity: 0.125 EU/mL	WPEK4-50125
		Sensitivity: 0.25 EU/mL	WPEK4-50025
Measurement Systems	Toxinometer® ET-7000/U Part 11 Set	1 Toxinometer® ET-7000/ Toximaster® QC8 Software	294-35871
	Toxinometer® ET-7000/E Part 11 Set	1 Toxinometer® ET-7000/ Toximaster® QC8 Software	299-35821
	Toxinometer® ET-7000/U Expansion Module	100 - 120 \pm 10% VAC (USA)	297-35861
	Toxinometer® ET-7000/E Expansion Module	220 - 240 \pm 10% VAC (Europe)	294-35811

Not offered at FUJIFILM Wako

- Pipettes
- Test Tube Rack
- Vortex Mixer