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Easiest and Fastest Trace Metal Assay Kit

MG Metallogenics

Metallo Assay LS

Now, the trace metals can be measured by microplate reader!

Features

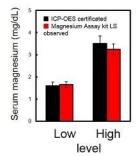
- Using microplate reader for assay, no need to use Atomic Absorption Spectrometry or ICP-OES Optical Emission Spectrometry, which have been commonly used so far.
- High correlation with the result of Atomic Absorption Spectrometry and ICP-OES.
- High throughput measurement by using microplate reader.
- · All animal species samples can be measured.
- You can get assay result just in 10 minutes !
- 1 point calibration do not need multiple point measurement to make standard curve (r²=0.9999).
- Kit does not contain any hazardous components like cyanide or azide as preservative.
- Samples : Serum, Plasma, Urine, Saliva, Cell lysate, Tissue extract, Hair extract, Water, etc.

Applications

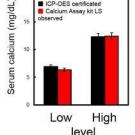
- · Metallomics research
- · Trace metal research as effector of enzyme / transcription activity
- · Quantification of heavy metal accumulated in body
- · Quantification of trace metal for drug discovery support research
- · Research of relation between plant growth factor and trace metal
- · Research for metabolism / kinetics mechanism of trace metal in the cell
- Trace metal research as trigger of reactive oxygen species (ROS)
- · Research of relation between trace metal metabolism / dynamic derangement and disease
- · Research of trace metal as a cofactor of antioxidant enzyme



Magnesium Assay kit LS (#MG01ME)

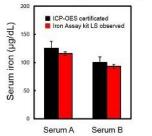


Calcium Assay kit LS (#CA02ME/01ME,#CA30ME/31ME)



Iron Assay kit LS (#FE02ME,#FE31ME)

...and more !



Iron Assay kit LS (#FE02ME,#FE31ME)

12

24.31

magnesiur

20

40.08 calcium

26

Чe

55.85 iron

29

63.55

copper

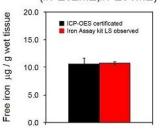
30

Zn

65.41

zinc

А



Accuracy of direct assay in sample exracted from tissue by 5% TCA

Accuracy of direct assay in various level of serum sample

Accuracy of direct assay in various level of serum sample

Line Up

Element	Assay principle	Range of wavelength	Assay range	Catalog #	tests/kit
Target		Main wavelength			
Iron	Nitroso-PSAP	740 - 760 nm	10 - 1,000 µg/dL	FE02ME	200 tests
free iron (Fe ²⁺ and Fe ³⁺)		750 nm			
Iron	Ferrozine	540 - 580 nm	5 - 1,000 µg/dL	FE31ME	200 tests
free iron (Fe ²⁺ and Fe ³⁺)		560 nm			
Copper	3,5-DiBr-PAESA	570 - 590 nm	3 - 400 µg/dL	CU03ME	100 tests
Copper (Cu ²⁺ and Cu ⁺)		580 nm		CU04ME	200 tests
Zinc	5-Br-PAPS	550 - 580 nm	4 - 1,000 µg/dL	ZN01ME	50 tests
Zinc (Zn ²⁺)		560 nm		ZN02ME	100 tests
Magnesium	Xylidyl Blue- I	-	0.2 - 5.0 mg/dL	MG01ME	200 tests
Magnesium (Mg)		660 nm			
Calcium	Chlorophosphonazo-	680 - 700 nm	0.2 - 30 mg/dL	CA02ME	250 tests
Calcium (Ca)	Ш	690 nm		CA01ME	500 tests
Calcium	O-Cresolphtalein	560 - 590 nm	0.2 - 30 mg/dL	CA30ME	250 tests
Calcium (Ca)		570 nm		CA31ME	500 tests

Product Information



[Manufacturer: AKJ]

	Product Name	Size	Catalog #	Storage
Fe	Iron Assay Kit LS - Nitroso-PSAP method	200 tests	FE02ME	4℃
	Iron Assay Kit LS - Ferrozine method	200 tests	FE31ME	
Cu	Copper Assay Kit LS - 3,5-DiBr-PAESA method	100 tests	CU03ME	
		200 tests	CU04ME	
Zn	Zinc Assay Kit LS - 5-Br-PAPS method	50 tests	ZN01ME	
		100 tests	ZN02ME	
Mg	Magnesium Assay Kit LS - Xylidyl Blue- I method	200 tests	MG01ME	
Ca	Calcium Assay Kit LS - Chlorophosphonazo-III method	250 tests	CA02ME	
		500 tests	CA01ME	
	Calaium Assau Kit I.S. O CrassIphtalain mathed	250 tests	CA30ME	
	Calcium Assay Kit LS - O-Cresolphtalein method	500 tests	CA31ME	

NOTE

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