

TKA 500 Line of Automated EIA Analyzers

A high performance and profitability line, due to simultaneous action of 4 needles that distribute 96 samples in the microplate within a very short period.



Technical Specifications		TKA 543 - 544	TKA 546	TKA 586	TKA 589
Configuration	Standard Washable Needles	Internally and externally coated in order to minimize the carry-over			
	Number of Needles	4	4	8	8
	Liquid Level Sensor	Independent for each needle			
	Sample Min. Volume	10 µl			
	Pipetting Precision/Accuracy	< 1% CV at 10% syringe volume, based on gravimetric evaluation			
	Carry-over of Needles	0.000001 con sufficient needle washing			
	Conductive Disposable Tips	Option			
	Pump for Needle Washing	Option			
	Min. Number of Profile Assays	4	4	8	8
	Max. Number of Microplates	12			
		3-4	6	6	9
Washer	Manifold	8 Distribution channels and 8 Aspiration channels			
	Number of Washing Buffers	4			
	Dispensing Speed	2, Programmable			
	Soak Time	Programmable			
	Strip Position	Automatic control of strip absence/presence			
Incubators	Independent Incubators	3-4	6	6	9
	Type	Closed and darkened			
	Temperature	from 2°C to 50°C in 0.1°C steps			
	Temperature Accuracy	± 0.2°C			
	Incubation Time	From 1 minute to 24 hours, programmable			
	Microplate Shaking	At intervals, programmable			
	Constant Microplate Shaking	Option			

Reader	Wavelength Range	400 - 750 nm (320 - 800 nm on request)			
	Number of Standard Filters	5			
	Standard Filters	405, 450, 492, 620, and 690 nm			
	Max. no. of Filter Positions	Up to 6, automatically selected			
	Accuracy	< 1% at 450 nm 1.0 OD			
	Linearity	± 1% at 450 nm			
	Reproducibility	< ± 0.3% at 450 nm, 1.0 OD (using neutral filter)			
	Range	From 0 to 3 OD			
	Reading Speed	< 5 seconds for single wavelength measurements			
	Kind of Reading	Single/Dual wavelength measurements			
Miscellaneous	Power	110/230 V, 50/60 Hz			
	Absorption	600 Watts	650 Watts	750 Watts	850 Watts
	Working Temperature	15°C - 35°C (59°F - 95°F)			
	Relative Humidity	10% - 85% at 30°C (85°F) or below			
	Length	1350 mm	1670 mm	1670 mm	2070 mm
	Depth	790 mm			
	Height	810 mm			
	Computer Configuration	Hard disk, floppy, CD, keyboard, color monitor, and mouse included			
	Interfaces	RS 232 and parallel			
	Options	Conductive disposable tips, bar code reader			



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