



Tumour Markers	Infectious Diseases	Fertility	Neurology
CEA AFP PSA CA 125 CA 15-3 CA 19-9 BETA HCG B2MN CYFRA* Free PSA* Pepsinogen-I* Pepsinogen-II* PIVKA-II* ProGRP* SCC* TgAb*	HBsAg-Quant HCVAb ANTI TP HIV HBcAb* HBcIgM* HBeAb* HBeAg* HBcrAg*	LH FSH PRL PROG TESTO E2	Plasma pTau 217 Amyloid β1-42 pTau 217/Amyloid β1-42 Ratio ApoE4* GFAP* Pan ApoE* NfL* CSF Total Tau pTau 181 Amyloid β1-42 Amyloid β1-40 Amyloid β1-42/1-40 Ratio
Hypertension	Cardiac	Diabetes	Thyroid
Aldosterone* Renin*	CKMB MYO BNP hsTropI	Insulin C-Peptide	T3 & T4 TSH FT3 & FT4 TPOAb*
Sepsis/Inflammation	Lungs	Others	
PCT IL-6	KL-6	Vitamin D IgE Ferritin w PTH	

*under development

Specification	
General Method	Chemiluminescent enzyme immunoassay system
Assay Method	CLEIA (Chemiluminescent Enzyme Immunoassay)
Data Access Type	Random access
Number of Different Assays Simultaneously	(max.) 24 assays/sample
Throughput	120 tests / hours
Reaction Time	Approx. 25 minutes incubator: 37°C
Sample Capacity	max. 100 samples and stat sample
Reagent Capacity	504 tests on board
Sample Setting Method	Rack ID system (5 tubes rack)
Sampling Method	Disposable tip method with a function to detect liquid and clog
Sampling Volume	10-140µl/test
Sample Dilution Function	Auto dilution (10,100,200,1000 times)
Type of Optical Measurement	Photon counting (Direct light measurement of immunoreaction cartridge)
Input Method	Touch panel, keyboard and barcode
Output Method	LCD and printer print (Option)
Online Input and Output	RS232C
Calibration Type	Master calibration and full calibration

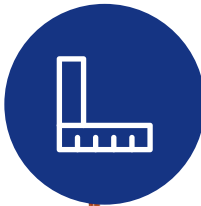
Installation Environment and Power Supply

Dimensions	W1,200 x D800 x H1,450 mm
Weight	Approx. 330kg
Room Temperature	15°C - 30°C
Room Humidity	40% - 80% RH non-condensing
Power Supply	Voltage: AC 100-240V, Single Phase: 50/60Hz, Voltage Fluctuation: within 10%
Power Consumption	(max.) - approx. 1.7kVA

ADL/Mispa-i121/R04-01/26 Company reserves the right to change any design and technical features of the product at any time, if needed.



Mispa i121
Fully Automated Immunoassay Analyzer
Powered by Mono Cartridge based CLEIA Technology



Compact

- Effective utilisation of clinical laboratory



The compact body
W120 x D80 x H145cm
(working area:90cm)
saves space.

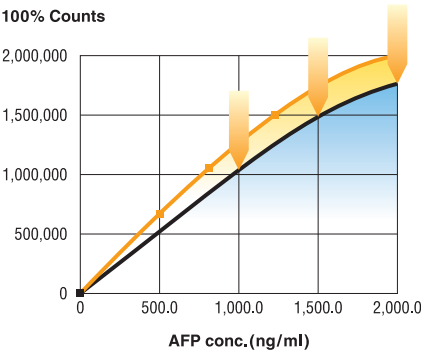


User-Friendly

- Reduce the cost and time for calibration
- Available for replenishing reagents, consumables, wash solution and substrate solution during the assay



Continuous access: Available for replenishing reagents, consumables, wash solution and substrate solution during assay.



Master calibration: Master calibration can reduce the cost and time for calibration.



Intuitive and easy-to-understand screen structure.

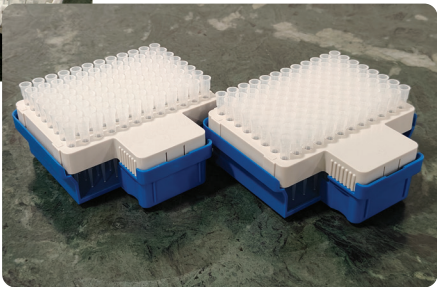


Mispa i121
Fully Automated Immunoassay Analyzer



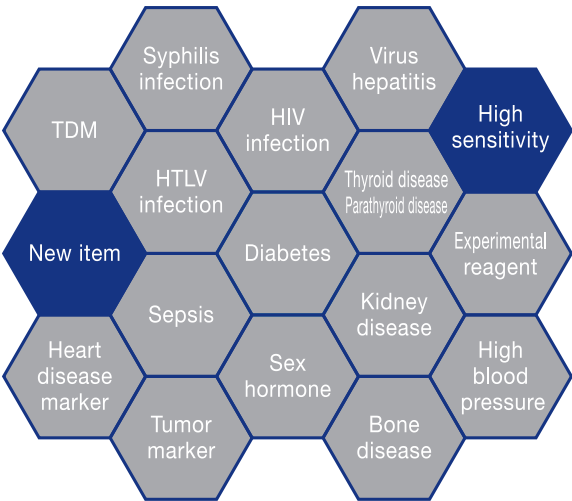
Reliable

- Mono test cartridge (No contamination after opening)
- Disposable tip (No contamination or carry-over between samples)



Flexible

- Mono test cartridge can reduce waste of reagent
- The lineup of more than 70 items' responds to various clinical needs



A maximum of 24 items can be used, and 36 cassettes can be stored with reagent cartridges of more than 70 items developed in Japan, which allows for flexible selection depending on 10111 the number of requests.