



The IFAst Plus is designed to perform double duty: immunofluorescence and ELISA testing on the same system. This fully automated system is capable of running multiple assays simultaneously on 16 IFA slides or two microplates.

Setup of an assay requires minimal time and the assays execute quickly, allowing technicians to concentrate on demanding tasks that require their attention.

Precision dispensation ensures low CV for ELISA and reproducible results with minimal background for IFA assays.

The system footprint is a mere 30" wide by 24" deep, minimizing the impact on benchspace while providing tremendous multitasking flexibility.

Laboratory information system interface is available for worklist acquisition and ELISA result reporting.



1.800.537.TEST (8378)

www.immcodiagnostics.com

60 Pineview Drive
Buffalo, New York 14228
1.716.691.0091
Fax: 1.716.691.0466

Instrumentation

ELISA TECHNICAL FEATURES

Sample tubes	60 / 80 – 12 mm sample tubes or 40 – 16 mm sample tubes
Dilution cups	92 positions
Removable trays	Modular racks to hold calibrators, controls and reagents for 8 methods on line
Reservoirs	3 external reservoirs: 2 with level sensor (buffer), 1 without level sensor (slides PBS)
Microtiter plates	2 standard plates with programmable incubation from room temperature to 45 °C
Needle system	2 needles: one for dispensation and dilution, the other for aspiration and flow washing
Plate washing	Two 8 nozzle manifolds: one for dispensation and the other for aspiration able to automatically adjust between different microplate formats
Reading system	8 independent photometric channels with mono and bichromatic reading
Interferential filters	3 precision filters (405, 450 and 630 nm); 1 optional filter available
Reading capability	Range: 0.000 to 3.000 OD. Accuracy \pm 1% from 0.000 to 1.500 OD; \pm 2% from 1.500 to 3.000 OD
Dispensation	From 8 μ l to 1000 μ l by steps of 1 μ l, accuracy \pm 1% with 100 μ l

IFA TECHNICAL FEATURES

Sample predilution time	20 s for 1ml of washing solution
Sample dispensation time	9 s for 1ml of washing solution
Reagent dispensation time	42 s for a 12 well slide for 20 μ l each, including washing of 1 ml with Buffer
Sample dispensation	CV < 2% at 100 μ l (OD = 0.600)
Reagent dispensation	CV < 2% at 100 μ l (OD = 0.600)
Supplied racks	1 slide rack with 16 positions for IFA slides 1 reagent rack for 12 controls, 4 conjugates, 1 wash solution, and 1 diluent for samples
Level sensor probe	Able to detect 150 μ l
Slides washing	Uses 2 probes for the same well, one for dispensation and the other for aspiration

USER FRIENDLY ASSAY CONFIGURATION AND PROCESSING SOFTWARE

Software features	Manage 4 methods simultaneously Able to handle variable incubation times and dispensation volumes for samples and conjugates IFA assays may be run with or without counterstain Able to manage 10 user-programmed dilutions Serial dilution in 2 predilution tubes Simple review/printing of work list Simple review/printing of rack configurations showing positions of samples, reagents and slides On-line help Setting auto-save features
Slide configuration controls	Slide mask configuration Well shape and size configuration Total number of wells per slide Number of well rows (maximum is 2 per slide) Coordinates of the first and last well of each line
Washing controls	Able to set distance between probes by 1/10 mm steps Able to set distance between the dispensation probe tip and slide surface by 1/10 mm steps Able to set distance between the aspiration probe tip and slide surface by 1/10 mm steps Washing cycle duration from 1 to 10 s Number of washing cycles: 1 or 2 Dispensation pressure on the slide from 200 μ l/s to 900 μ l/s

Power requirements	230 or 115 VAC, 50-60 Hz, 500 W
Measurements	cm 79 x 60 x 65 h
Weight	72 kg

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