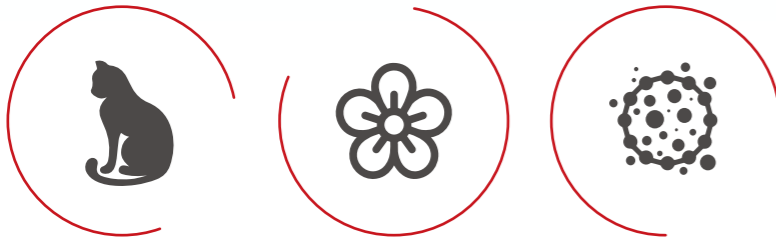


## Allergy Test Menu

Assay Kit	Allergens Detected
Inhalation group 1	d1(house dust mite), d2(American house dust mite), e1(cat dander), e5(dog dander), i6(cockroach), w1(common ragweed)
Inhalation group 2	w6(mugwort), m3(aspergillus fumigatus), m6(alternaria alternata), t3 (common silver birch), t11 (maple leaf sycamore), t12(willow)
Food group 1	f1(egg white), f2(cow's milk), f3(cod), f23(crab), f24(shrimp), f27(beef)
Food group 2	f4(wheat), f10(sesame seed), f13(peanut), 14(soybean), f88(mutton)
Total IgE	tIgE
New assays*	w9 (Ribwort plantain), w19 (Wall pellitory), w22 (Japanese hop), w10(Goosefoot), w13 (Cocklebur) g2 (Bermuda grass), g6 (Timothy grass), t6 (Mountain juniper), t14 (Cottonwood), t17 (Japanese cedar) m1 (Penicillium chrysogenum), m5 (Candida albicans), m2 (Cladosporium herbarum), m207 (Aspergillus niger) f17 (Hazelnut), f20 (Almond), f202 (Cashew), f203 (Pistachio), f95 (Peach), f91 (Mango), f210 (Pineapple), f49 (Apple), f44 (Strawberry)

\*In development

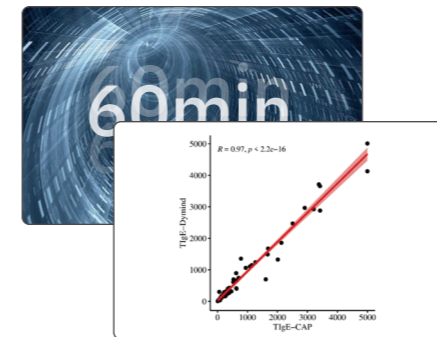
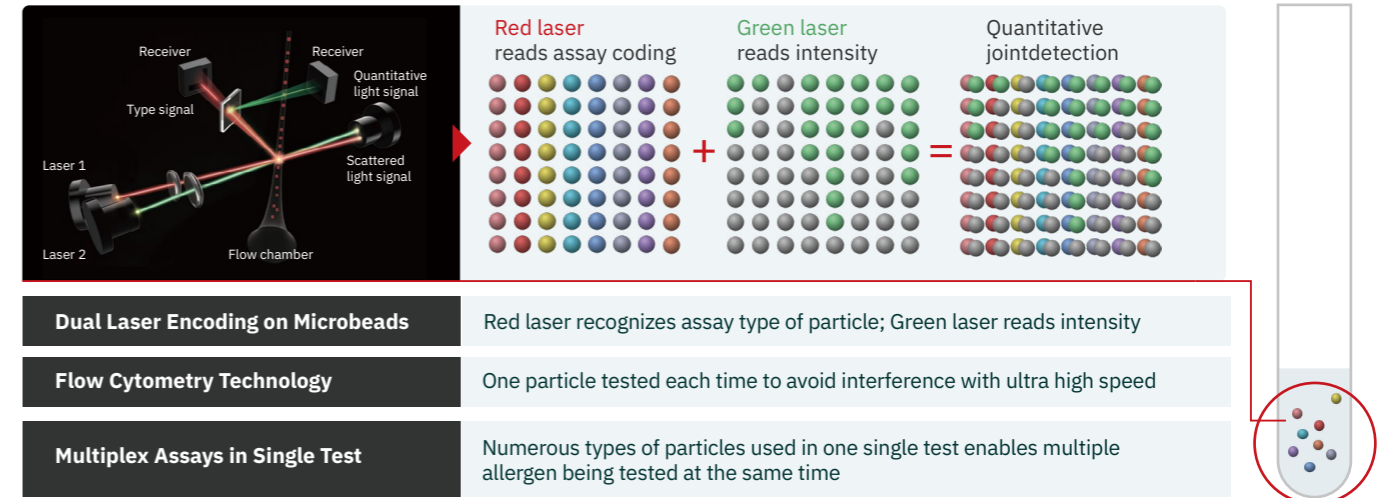


## Autoimmunity Test Menu\*

Assay Kit	Allergens Detected
Anti-nuclear Antibody (ANA)	dsDNA, His, Nuc, Sm, C1q, PCNA, P0, CENP-B, PM-scl, Scl-70, Ro-52, SS-A/Ro, SSB, AMA-M2, Sm/RNP, Jo-1
Antineutrophil cytoplasmic antibody (ANCA)	GBM, MPO, PR3
Idiopathic Inflammatory Myopathies (IIM)	U1RNP, PM-scl, Jo-1, Ro-52, Mi-2, Ku, EJ, PL7, PL12, SRP, TIF1-γ
Rheumatoid Arthritis (RA)	RF IgG, RF IgA, RF IgM, RA33 IgG, CCP
Anti-phospholipid Syndrome (APS)	aCL IgG, aCL IgA, aCL IgM, β2GP1 IgG, β2GP1 IgA, β2GP1 IgM
Primary Membranous Nephropathy (pMN)	PLA2R

\*In development

## Magnetic Beads-based Flow Cytometry Fluorescence Immunoassay



### Focused and Efficient

- Only 1 test for quantitative results of all items
- Specific allergen results only takes 60 mins

### Quantitative and Traceable

- Magnetic particle + flow fluorescence technology for quantitative results  
Total IgE linear range: 2.0-5000.0 IU/mL; Specific IgE linear range: 0.1-100.0 IU/mL
- Detection system traceable to WHO standard
- within-run precision: CV≤8%

### Smooth and Carefree

#### Intelligent Reagents & Consumables Management

- Fewer types of reagent
- Real-time remaining volume detection and status display
- Replace reagent without preprocess or downtime
- Dump loading of reaction cup without jamming

#### Intelligent Detection Whole Process Management

- 360° rotation for barcode scanning, start testing upon arrival
- Smart alarm: liquid level, empty aspiration, probe collision and clog detection
- Automatic waste disposal: auto empty liquid waste in reaction cup; supports direct discharge of liquid waste

\* Cup jamming probability less than 1/150,000



### Precise and Cost-effective

- 8 tests done at only 1 reagent's cost
- Few reagent types, real-time display, all cost visible
- Joint detection only requires sample size of 10 μL

## Main Parameters

<b>Product Name</b>	Automated Flow Fluorescence Immunoassay Analyzer
<b>Model</b>	MF1280
<b>Test Method</b>	Magnetic Particle Flow Fluorescence Immunoassay
<b>Throughput</b>	360 T/H, 6 assays for one single test portfolio (Allergen Specific IgE)
<b>Result time</b>	tIgE: 30min sIgE: 60min
<b>Reagent Position</b>	16, with onboard cooling
<b>Reagent Packaging</b>	25/50 servings
<b>Sample Positions</b>	30 routine positions, 5 STAT positions
<b>Sample Type</b>	Serum, Plasma
<b>Tube Type</b>	75 mm&100 mm Vacuum Tube, 1.5 ml Cryotube, 1.5 ml Centrifuge Tube
<b>Sample Volume</b>	tIgE : 5 $\mu$ L sIgE: 10 $\mu$ L
<b>Cuvette Loading</b>	Dump loading. Up to 300 cuvettes per time
<b>Instrument Size</b>	1000 mm (W) $\times$ 720 mm (H) $\times$ 780 mm (D)
<b>Instrument Weight</b>	135kg

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Declaration: Shenzhen Dymind Biotechnology Co., Ltd reserves the right to change the product of specifications and appearance at any time. For the information of this manual, Shenzhen Dymind Biotechnology Co., Ltd reserves the right to the interpretation and the decision.

P/N: EN-MF-1280 [1.0]

 **DYMIND** | *the simpler, the better*

## Multiplex Quantitative Detection of Allergen Specific IgE



# MF1280

Automated Flow Fluorescence Immunoassay Analyzer