

# EVOLIS Family Systems

Efficient and Secure for Automated EIA Testing



## Meets today's laboratory demands for increased productivity, efficiency, and cost savings

The Bio-Rad EVOLIS Systems are self-contained microplate processors designed to completely automate EIA techniques. The systems are developed for user-friendly and safe assay processing, including Bio-Rad's serological screening assays widely used in today's transfusion centers and diagnostic labs.



### Ensure compliance with the latest standards

- Both systems and assays comply with IVDR guidelines
- EVOLIS Systems and U.S. assay protocols are FDA approved
- Accreditation tools guarantee performance certification



### Optimize your workflow with automated processing

- Software allows for two processing setups including the workflow and different tasks (dilutions or archiving)
- Walkaway feature increases lab efficiency
- EVOLIS Systems support a large panel of validated assays

Safe sample processing helps deliver reliable results



## Be confident with reagent traceability and secure pipetting

- Barcoded samples, reagents, racks, and microplates enable full traceability and safety
- Triple detection (liquid-level, colorimetric, and barometric) technology provides secure pipetting
- Single-use tips eliminate carryover

## EVOLIS System

### Sample Processing

Primary sample capacity	198; 144*
Dilution capacity (via tubes/plate)	90/288; 72/192
Container (diameter & height)	10–16 mm/50–100 mm
Sample dilution	up to 1/10,000

### Reagent Processing

Calibrator & control capacity	31; 16*
Reagent capacity	21; 16*
Reagent container	Bio-Rad reagent bottles
Reagent identification	internal BCR
Lot & expiration management	yes

### Disposable Tip

Carbon tips	300–1,100 µL
Volume (useable)	10–1,000 µL
Liquid level & clot detection	capacitive + air pressure
Onboard capacity (walk-away)	480 tips (5x96); 384 tips (4x96)*

### Processing Features

Precision (at 20 µL)	<6% CV
Accuracy (at 20 µL)	<10%
Precision (at 100 µL)	<3% CV
Accuracy (at 100 µL)	<5%

\* for EVOLIS Twin Plus System

### Incubation Specifications

Loading slots	4 x ambient T; 2 x ambient T*
Chambers (independent)	4 x from ambient T +5°C, up to 50°C 3 x from ambient T +5°C, up to 45°C*
Precision	1.4°C
Accuracy	1.0°C

### Washer Specifications

Manifold	8 channels
Plate type (bottom shape)	flat, U- & V-shaped
Wash buffers (with level sensor)	3 x 2L, 1 x 1L, 2 x 2L, 1 x 1L*

### Reader Specifications

Reading head	8 channels
Reading range	0–3.0 OD
Filter wheel	8 (equipped with 405, 450, 492, 550, 620 nm) 8 (equipped with 450, 492, 620 nm)*
Linearity (0–2.0 OD)	1%
Precision (0–2.0 OD)	2.5%

### Communication RS-232

Online (bi-directional)	ASTM or ASCII format
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## Infectious Disease Assays

### AIDS Line

Genscreen ULTRA HIV Ag-Ab

### Hepatitis Line

Monolisa HBs Ag ULTRA  
Monolisa HBs Ag ULTRA Confirmatory  
Monolisa Anti-HBs PLUS  
Monolisa Anti-HBc PLUS  
Monolisa HCV Ag-Ab ULTRA V2  
Monolisa Anti-HCV PLUS Version 3

### Sexually Transmitted Diseases

Syphilis Total Ab  
Syphilis IgM EIA

### Prenatal & Congenital diseases

Platelia Toxo IgG  
Platelia Toxo IgG Avidity  
Platelia Toxo IgM  
Platelia Rubella IgG  
Platelia Rubella IgM  
Platelia CMV IgG  
Platelia CMV IgM  
Platelia™ HSV (1+2) IgG  
Platelia™ HSV (1+2) IgM

### Febrile/Tropical Diseases

Platelia Dengue NS1 Ag  
Malaria EIA Test Kit

### Pediatric/Vaccination immunity

Platelia™ Measles IgG  
Platelia™ Measles IgM  
Platelia™ Mumps IgG  
Platelia™ Mumps IgM  
Platelia™ VZV IgG  
Platelia™ VZV IgM

### Respiratory Diseases

Platelia *M. PNEUMONIAE* IgG  
Platelia *M. PNEUMONIAE* IgM  
Platelia SARS-CoV-2 Total Ab

### Infectious Mononucleosis

PLATELIA™ EBV-VCA IgM  
PLATELIA™ EBV-VCA IgG  
PLATELIA™ EBV EA-D IgG  
PLATELIA™ EBV EB-NA-1 IgG

### Invasive Fungal Infections

Platelia *Aspergillus* Ag  
Platelia *Aspergillus* Ag Verification Panel  
Platelia *Aspergillus* IgG  
Platelia *Candida* Ag Plus  
Platelia *Candida* Ab Plus

### Others

Platelia Rabies II

NEW

## Autoimmune Assays (non IVDR)

### Systemic

Anti-dsDNA  
ENA Plus  
Anti-SS-A  
Anti-SS-B  
Anti-Sm  
Anti-SmRNP

Anti-Scl-70  
Anti-Jo-1  
ANA Screen  
ANA-6 Profile Test  
Anti-Centromere  
Anti-ssDNA

### Autoimmune Hepatitis

Anti-Mitochondrial

## Ordering Information

Catalog #	Description	
89818B	EVOLIS System	
12015656	EVOLIS WIN10 PC	
93500B	EVOLIS Twin Plus System	
89611	Conductive Tips (300 µL) (samples).....	18 x 960
89612	Conductive Tips (1,100 µL) (reagents).....	10 x 960

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