



# EVOLIS™ *Twin Plus* System

Performance and Security in a Compact Package



# EVOLIS™ *Twin Plus* System

Compact Design with an Integrated PC and Touchscreen

## Flexibility

- Expanded menu of autoimmunity & infectious diseases
- Open system
- Combine up to 12 assays in one microplate
- Scalable configuration with multiple EVOLIS *Twin Plus* systems

## Productivity

- Processing of 3 full plates in minimum time!
- On-board capacity of 144 samples



## Ease of Use

- True walkaway system: performs 3 full plates without intervention
- Compact design with built-in touchscreen: fits in most places
- Easy and quick start-up for maximum efficiency

## Safety

- Bio-Rad assays validated through an IVD-CE process
- Unique triple technology for pipetting verification (colorimetric, LLD and barometric)
- Full traceability of all events, from sample loading to the release of results
- Bidirectional interfacing with LIMS eliminates manual data entry

# User Care

## BRiCare

- Our **global solution** for Remote Support permits a faster, pro-active response in order to **minimize system downtime**

## Timeliner

- Middleware application to **facilitate the use** of multiple EVOLIS family systems, from worklist generation to data archiving

## AMS

- **Flexible** and **powerful** software dedicated to manage your frozen sample archive

## Bio-Rad Team

- A dedicated team will **accompany you** in the deployment of the **best solution** that fits your specific needs, while providing all the necessary support

## Metrology Tools

- **Modular tools** to help you meet accreditation requirements



**EVOLIS™ Twin Plus System**  
**Performance and Security in a Compact Package**

## EVOLIS™ Twin Plus System

### Sample Processing

Primary sample capacity	144
Dilution capacity (via tubes/plate)	72/192
Container (diameter & height)	10-16 mm/50-100 mm
Sample dilution	up to 1/10,000e

### Reagent Processing

Calibrators & controls capacity	16
Reagents capacity	16
Reagents containers	Bio-Rad reagent bottles
Reagents identification	internal BCR
Lot & expiration management	yes

### Disposable Tips

Carbon tips	300-1,100 µl
Volume (useable)	10-1,000 µl
Liquid level & clot detection	capacitive + air pressure
On-board capacity (walk-away)	384 tips (4 x 96)

### Processing Features

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

### Incubation Specifications

Number of incubators	3 heated incubators (from ambient temperature +5°C, up to 45°C) 2 ambient temperature incubators
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Temperature precision	1.4°C
Temperature accuracy	± 1.0°C

### Washer Specifications

Manifold	8 channels
Plate type (bottom shape)	flat, U- & V-shaped
Wash buffers and rinse	2 x 2 l, 1 x 1 l

### Reader Specifications

Reading head	8 channels
Reading range	0-3.5 OD
Filter wheel	8 (equipped with 450, 492, 620)
Linearity (0-2.0 OD)	1%
Precision (0-2.0 OD)	2.5%

### Communication

Communication Port	RS-232 Serial, USB 2.0, RJ-45
On-line (bi-directional)	ASTM or ASCII format

### Dimensions & Weight

Instrument size (HxWxD):	Overall size including accessories (wash buffer bottles) and instrument cover open 111x168x90 cm Size without accessories and with closed cover 75x143x66 cm
Instrument size (HxWxD):	100 kg
Instrument weight: (without accessories)	

## Infectious Disease Assays

### AIDS Line

Genscreen™ ULTRA HIV Ag-Ab  
Genscreen™ HIV 1/2, Version 2  
Genscreen™ HIV-1 Antigen EIA

### Hepatitis Line

Monolisa™ Total Anti HAV Plus  
Monolisa™ HAV IgM Plus  
Monolisa™ HBs Ag ULTRA  
Monolisa™ HBs Ag ULTRA Confirmatory  
Monolisa™ Anti-HBs Plus  
Monolisa™ Anti-HBc Plus  
Monolisa™ HBc IgM Plus  
Monolisa™ HBe Ag-Ab Plus  
Monolisa™ HCV Ag-Ab ULTRA  
Monolisa™ HCV Ag-Ab ULTRA V.2  
Monolisa™ Anti-HCV Plus V.2  
Monolisa™ Anti-HCV Plus V.3  
Hepatitis Delta (HDV Ag, HDV IgM, HDV Total)

### Prenatal & Congenital Diseases

Platelia™ Toxo IgG  
Platelia™ Toxo IgG Avidity  
Platelia™ Toxo IgM  
Platelia™ Toxo IgA  
Platelia™ Rubella IgG  
Platelia™ Rubella IgM  
CMV Total Ab EIA  
Platelia™ CMV IgG  
Platelia™ CMV IgG Avidity  
Platelia™ CMV IgM  
Platelia™ HSV-1 IgG  
Platelia™ HSV-2 IgG  
Platelia™ HSV 1/2 IgG  
Platelia™ HSV 1/2 IgM

### 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

### Sexually Transmitted Diseases

Syphilis Total Antibody EIA II  
Syphilis IgM EIA

### 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* IgG  
Platelia™ *Candida* Ag Plus  
Platelia™ *Candida* Ab Plus

### Tick Borne Diseases

Platelia™ Lyme IgG  
Platelia™ Lyme IgM

### Febrile/Tropical Diseases

Brucella IgG  
Brucella IgM  
Platelia™ Dengue IgA Capture  
Platelia™ Dengue IgG Capture  
Platelia™ Dengue NS1 Ag  
Malaria EIA

### Other

Rabies Total Ab

## Autoimmune Assays

### Systemic

Anti-dsDNA  
ENA Plus Screen  
Anti-SS-A  
Anti-SS-B  
Anti-Sm  
Anti-SmRNP  
Anti-Scl-70  
Anti-Jo-1

ANA Screen  
ANA-6 Profile Test  
Anti-Centromere

### Vasculitis

Anti-MPO  
Anti-PR3  
Anti-GBM

### Anti-Phospholipid Syndrome

Anti-Cardiolipin IgG  
Anti-Cardiolipin IgM  
Anti-Cardiolipin IgA  
Anti-β2 Glycoprotein I IgG  
Anti-β2 Glycoprotein I IgM  
Anti-β2 Glycoprotein I IgA  
Anti-Phosphatidylserine IgG  
Anti-Phosphatidylserine IgM  
Anti-Phosphatidylserine IgA

### Autoimmune Gastro-Intestinal

Anti-tTG IgA  
Anti-tTG IgG  
Anti-Gliadin IgA  
Anti-Gliadin IgG  
Anti-SCA IgA  
Anti-SCA IgG

## Ordering Information

Catalog No.	Description	
93500	EVOLIS™ Twin Plus System (includes EVOLIS™ Twin Plus analyzer & accessory box).....	1 system
89611	Conductive Tips (300 µl) (samples).....	18 x 960
89612	Conductive Tips (1,100 µl) (reagents).....	10 x 960



**Bio-Rad  
Laboratories**

For further information, please contact the Bio-Rad office nearest you or visit our website at [www.bio-rad.com/diagnostics](http://www.bio-rad.com/diagnostics)

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