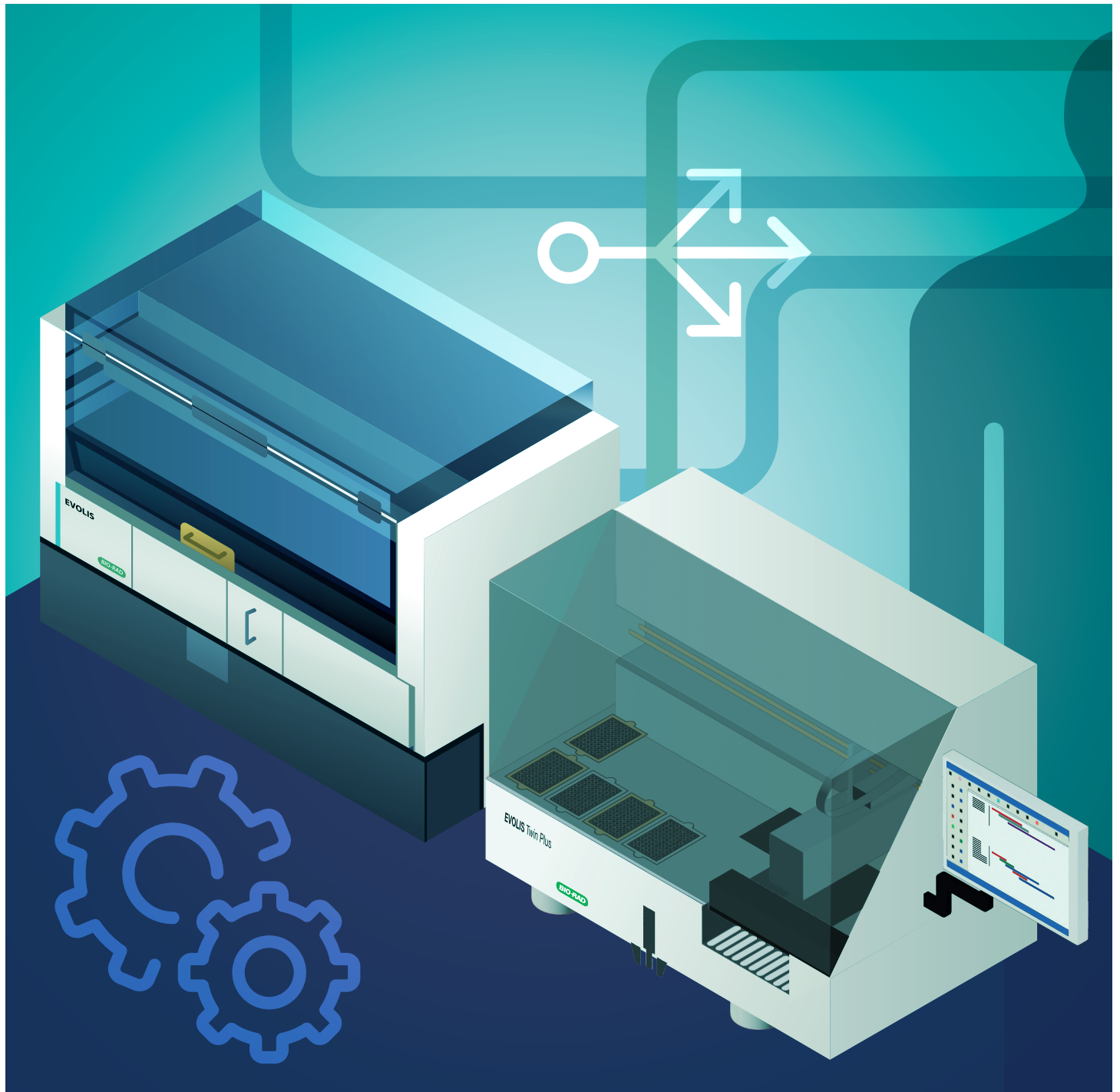


EVOLIS Family Systems

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

Infectious Disease Assays

AIDS Line

Genscreen ULTRA HIV Ag-Ab

Hepatitis Line

Monolisa Anti HAV EIA**
 HAV IgM EIA**
 Monolisa HBs Ag ULTRA
 Monolisa HBs Ag ULTRA Confirmatory
 Monolisa Anti-HBs Plus
 Monolisa Anti-HBc Plus
 Monolisa HbC IgM EIA**
 Monolisa HCV Ag-Ab ULTRA V.2
 Monolisa Anti-HCV Plus Version 3

Prenatal & Congenital diseases

Platelia Toxo IgG
 Platelia Toxo IgG Avidity
 Platelia Toxo IgM
 Platelia Toxo IgA
 Platelia Rubella IgG
 Platelia Rubella IgM
 Platelia CMV IgG
 Platelia CMV IgG
 Platelia CMV IgM
 Platelia HSV-1 IgG
 Platelia HSV-2 IgG
 Platelia HSV 1/2 IgG
 Platelia HSV 1/2 IgM

Autoimmune Assays**

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
 Anti-CCP II

Autoimmune Hepatitis

Anti-Mitochondrial

** non IVDR

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 50°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	0–3.5 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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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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For further information, please contact the Bio-Rad office nearest you or visit our website at bio-rad.com/serology

Clinical
Diagnostics Group

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