

Galileo Echo[®]



Do more with less. And do it with a higher level of quality and documentation than ever before. With a decreasing workforce and a greater need for efficiency, there is no better time to automate your blood bank. As a leader in blood bank automation, we hear constant feedback that all blood banks, regardless of size, have the same needs:

- Full Automation
- Broad Test Menu
- Continuous Access
- STAT Priority
- Fast Turnaround Time
- User Friendly Interface

Echo satisfies all of these requirements in the world's smallest footprint. Truly designed to fit in any blood bank across the globe—in more ways than one.

Broad Test Menu. You now have the power to automate more than your routine types and screens. Echo's broad test menu allows more of your workload to be automated, providing better cost justification for an automated platform. Echo lets you choose from a wide range of assays including antibody identification, phenotyping, DAT and crossmatch.

Test Menu Assays include:

- Blood Type
- Donor Confirmation
- ABO Retype
- Weak D
- Phenotype
- Antibody Screen (3-cell)
- Antibody Identification (3 panels)
- DAT
- IgG Crossmatch

Secure. Seamless. Convenient. Automating your blood bank is serious business. You require the assurance that every test result is a quality test result – day to day, hour to hour, and minute to minute. Galileo Echo has been designed for reaching a new class of multi-layered quality control.

Echo features numerous process controls to keep your mind at ease. This includes interacting tests of all its hardware modules, various software levels, tests and reagents. All process controls are designed to require your attention only if appropriate; all values are documented and available at any time.

Daily quality control has never been easier and more efficient. WB corQC Whole Blood Controls are run daily and are processed like real samples. This daily QC kit provides time savings and verifies the functionality of the Echo instrument and all required reagents.

Our Capture-R Ready-Screen (3) assay includes a built-in process control. A pre-coated IgG test well acts as a positive control on the fourth well of every 3-cell screen. With Echo and Capture-R Ready-Screen (3), you can rest assured that every test result is a controlled test result.

The introduction of Galileo Echo brings 2-dimensional bar codes to Immucor's Capture solid phase technology. Every microstrip has a 2-D bar code that identifies the strip type, lot number, expiration date and an individual serial number. The instrument's software maintains a resource inventory and manages assay testing through bar codes on strips, reagent vials and sample tubes – assuring positive identification and traceability throughout the entire testing process.

Flexibility. Linear sample and reagent racks mean that you can load and unload samples at anytime so that urgent and STAT samples never need to wait. Echo will begin to process a STAT sample at the first available opportunity—priority sample handling makes this a reality. And unlike carousel-based systems, a sample rack can be removed once pipetting has completed—Echo's LED system provides an intuitive user interface, alerting you when sample lanes are busy and when they are free.

Industry exclusive reflex testing allows you to customize secondary testing to satisfy your needs. A negative Rh test result can be reflexed to a Weak D test, or a positive antibody screen can be reflexed to a panel.

Galileo Echo[®] Specifications

Dimensions	<ul style="list-style-type: none"> → Fluidics Module: 17" W x 23" D x 13.5" H → Instrument, w/shroud: 28 W" x 19.5" D x 19" H 	Test Menu	<ul style="list-style-type: none"> → ABO/Rh → Forward ABO → Donor Retype → Phenotype → Weak D → Antibody Screen (3-cell) → Antibody Identification (3 panels) → IgG Crossmatch → IgG DAT
Power	<ul style="list-style-type: none"> → 100-240V AC 50-60Hz → Uninterruptible Power Supply (UPS) provided 	Pipettor	<ul style="list-style-type: none"> → Single probe → Liquid level detection → Clot detection
Bar code Symbologies	<ul style="list-style-type: none"> → Code128, ISBT128, Codabar, Code39, Interleaved 2 of 5 → Maximum bar code length = 20 characters 	Incubator	<ul style="list-style-type: none"> → 3 Incubators <ul style="list-style-type: none"> → 1 Forced-Air incubator → 2 bays for 37C incubation → Ambient Incubation in Strip Trays
Sample Requirements	<ul style="list-style-type: none"> → EDTA, ACD, CPD, CPDA-1, CP2D, heparin, AS-1, AS-3, AS-5 → The combinations of CPD with AS-1, CPD with AS-3, and CPD with AS-5 → Serum samples can also be tested on the Galileo Echo for tests that do not require red blood cells 	Washer	<ul style="list-style-type: none"> → 8 channel wash head
Tube sizes	<ul style="list-style-type: none"> → 12-16mm diameter, 75-100 mm length, pediatric tubes 	Centrifuge	<ul style="list-style-type: none"> → Automatic load/unload → Centrifugation up to 512 x g
Sample Capacity	<ul style="list-style-type: none"> → 20 samples, 4 racks of 5 samples each → Continuous load via linear racks 	Reader Operation:	<ul style="list-style-type: none"> → Color Image Analysis
Reagents	<ul style="list-style-type: none"> → 16 reagents, 4 racks of 4 10mL vials each → Continuous load via linear racks → Bar coded reagents → Can be loaded in any position → Multiple vials of the same reagent accepted 	Computer:	<ul style="list-style-type: none"> → PC with Windows XP Operating System → TFT (flat screen) touch screen color display monitor → DVD for data archive
System Liquid	<ul style="list-style-type: none"> → Phosphate Buffered Saline treated with pHix → 7.5L Capacity → Low-level alarm 	Interface:	<ul style="list-style-type: none"> → Bi-directional connection (host query/worklist and results transfer) → ASTM data transfer protocol → TCP/IP socket or ASCII file data transfer modes
Waste Container	<ul style="list-style-type: none"> → 7.5L Capacity → Nearly-full alarm → Shuttle container provided → Capable of direct drain to sink 	Shipping Information	<ul style="list-style-type: none"> → Analyzer <ul style="list-style-type: none"> → Dimensions (WxDxH): 37" x 29" x 29 1/2" → Weight: 110 pounds → Fluidics Module <ul style="list-style-type: none"> → Dimensions (WxDxH): 37" x 29" x 29 1/2" → Weight: 85 pounds → Accessories Box <ul style="list-style-type: none"> → Dimensions (WxDxH): 26 1/2" x 23 1/4" x 10 3/4" → Weight: 35 pounds
Microstrips	<ul style="list-style-type: none"> → 32 microstrip capacity → 4 trays hold 4 strip-holders each → Strip-holders accommodate 2 strips each → 2D bar code to identify strip type, lot number, expiry date and a unique serial number 		

A	Intuitive User Interface
B	Fluidics Module
C	Sample/Reagent Loading Bay
D	Microstrip Loading Bay
E	Incubators, Washer, Centrifuge & Reader

