

Instrument Specifications

Dimensions	<ul style="list-style-type: none"> Fluidics/Monitor <ul style="list-style-type: none"> 17" W x 23" D x 26" H Instrument, w/shroud: <ul style="list-style-type: none"> 28 W" x 19.5" D x 19" H Printer: <ul style="list-style-type: none"> 14.6" W x 9.6" D x 9.5" H
Power	<ul style="list-style-type: none"> 100-240V AC 50-60Hz Uninterruptible Power Supply (UPS) provided
Bar code Symbolologies	<ul style="list-style-type: none"> Code128, ISBT128, Codabar, Code39, Interleaved 2 of 5 Maximum bar code length = 20 characters
Sample Requirements	<ul style="list-style-type: none"> EDTA, ACD, CPD, CPDA-1, CP2D, heparin, AS-1, AS-3, AS-5 Combinations of CPD with AS-1 and AS-5, and CP2D with AS-3 Serum samples can also be tested on the Echo for tests that do not require red blood cells
Tube sizes	<ul style="list-style-type: none"> 12-16 mm diameter, 75-100 mm length, pediatric tubes
Sample Capacity	<ul style="list-style-type: none"> 20 samples, 4 racks of 5 samples each Continuous load via linear racks
Reagents	<ul style="list-style-type: none"> 16 reagents, 4 racks of 4 10 mL vials each Continuous load via linear racks Bar coded reagents Can be loaded in any position Multiple vials of the same reagent accepted
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

System Liquid	<ul style="list-style-type: none"> Phosphate Buffered Saline treated with pHix 7.5 L Capacity Low-level alarm
Waste Container	<ul style="list-style-type: none"> 7.5 L Capacity Nearly-full alarm Shuttle container provided Capable of direct drain to sink
Pipettor	<ul style="list-style-type: none"> Single probe Liquid level detection Clot detection
Incubator	<ul style="list-style-type: none"> 3 Incubators <ul style="list-style-type: none"> 1 Forced-Air incubator 2 bays for 37° C incubation Ambient Incubation in Strip Trays
Washer	<ul style="list-style-type: none"> 8 channel wash head
Centrifuge	<ul style="list-style-type: none"> Automatic load/unload Centrifugation up to 512 x g
Reader Operation:	<ul style="list-style-type: none"> Color Image Analysis
Computer:	<ul style="list-style-type: none"> TFT (flat screen) touch screen color display monitor DVD for data archive
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


To learn more or to set up a consultation with one of our Blood Bank Business Managers, call 855.IMMUCOR (855.466.8267) or visit www.immucor.com.

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Echo®

Compact Immunohematology automation



Echo® is designed to bring the benefits of automation to labs of all sizes and volumes.



Transfuse | Transplant | Transform a life

Echo®

As a leader in blood bank automation, we hear constant feedback that all blood banks, regardless of size, have similar 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 and is truly designed to fit in any blood bank across the globe; in more ways than one.

(A) Intuitive User Interface

- Touchscreen 17" monitor
- Color imaging

(B) Fluidics Module

- PBS is Echo's only system liquid
- Add PBS or remove waste anytime during operation

(C) Sample And Reagent Loading Bay

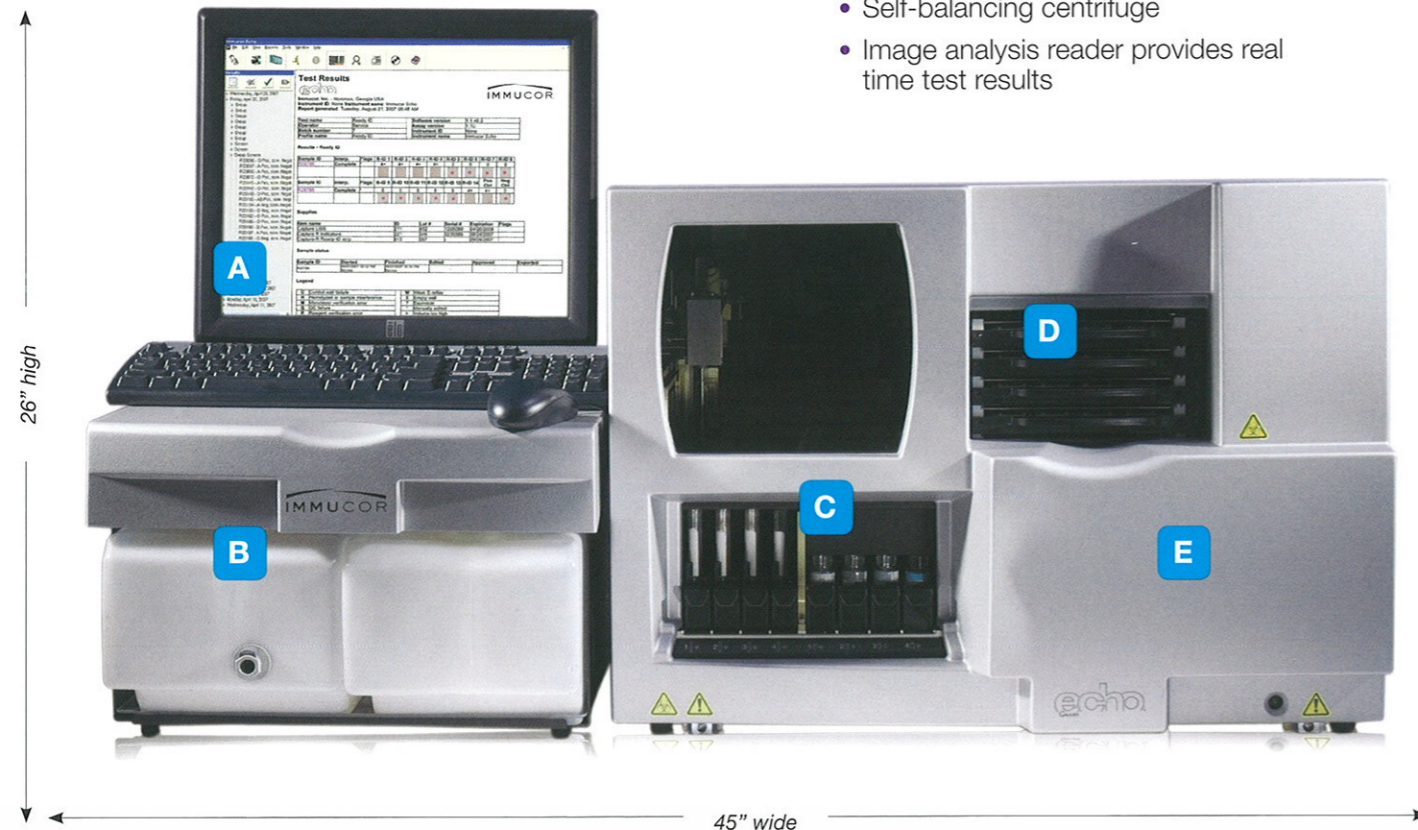
- Accommodates 20 samples and 16 liquid reagents
- Linear racks using LED-guided user interface provide continuous access to samples and reagents
- Immediate bar code read
- Single probe pipettor; steel, teflon-coated probe

(D) Microstrip Loading Bay

- Accommodates 32 strips
- LED user interface for continuous loading
- All strips feature 2D bar codes for traceable resource management

(E) Automated Processing

- Forced-air incubator reduces TAT
- Continuous flow washer
- Self-balancing centrifuge
- Image analysis reader provides real time test results



Broad Test Menu

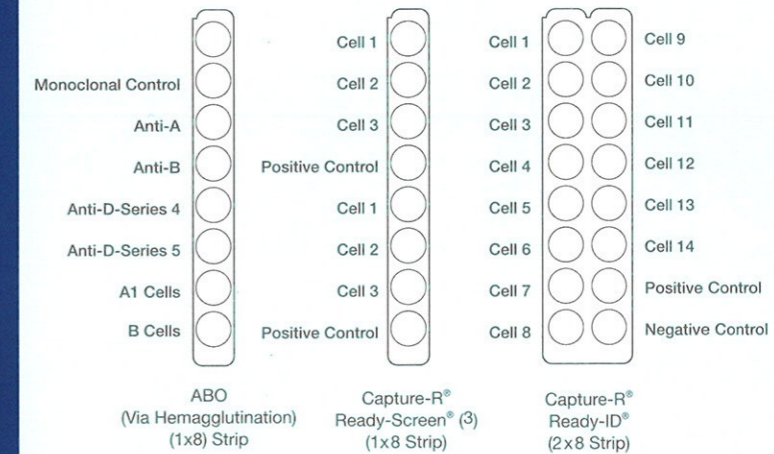
Echo's broad test menu gives you the power to automate more than just your routine types and screens, providing the opportunity to automate more of your workload.

- ABO/Rh D Type
- Donor Confirmation
- ABO Retype
- Weak D
- Phenotype
- Antibody Screen (3-cell)
(primary panel, D-Pos panel, and a D-neg panel)
- Antibody Identification
- IgG DAT
- IgG Crossmatch

Echo uses standard hemagglutination technology for blood typing assays.

Echo utilizes Immucor's patented **Capture®** solid phase technology for antibody screening and identification.

Antigens are pre-coated on the test wells at time of manufacture, so there are fewer reagents to manage, less pipetting, and more time savings.



Flexible Test Options

In third-party studies, Echo provided the fastest type and screen result on the market today. There is no need to modify your laboratory's workflow in order to meet turnaround time demands with Echo – results are reported in record time. This quick turnaround time and a flexible loading system mean that running more than just types and screens on a small, automated platform becomes a reality.

TEST SCENARIO

