

RELIABILITY FLEXIBILITY

Merging with the future

The new ACL™ 7000 represents the next evolution in our unwavering commitment to the future of coagulation analysis. Building on the ACL legend of leading edge automation, we have taken another step into the future. The most fully automated family in clotting and chromogenic assays now features autodilution, on board patient data base, on board QC data base, bidirectional interface, alphanumeric character handling, random programming of routine tests through profiles and also single tests, additional profiles, host query (automatic downloading), automatic uploading, automatic printing (also on the external printer), QC data transmission, database additional features, configurable header reports (on the external printer), APCR-V automatic cycle, D-Dimer and von Willebrand Factor* (immunological tests) and more.



Autodilution

The ACL 7000 offers autodilution for your Factors assay high curve, ProClot, AT and Heparin. Dilution is performed in-line for Factors and ProClot, while AT and Heparin employ a secondary cup.

Stored calibration

In addition to current tests with stored calibration (PT-Fib, AT, PCX and HPX), you can now perform other tests with this feature. The first approach uses the stored calibration as separate cycle (i. e. Fibrinogen-C cycle). Heparin now joins this group. The second approach is to store the calibration for subsequent runs for your Factors High curve, ProClot, Plasminogen and Plasmin Inhibitor. Protein C has been added to this group. This second option allows the users to execute the run, with or without calibration, according to the option selected.

On-board patient database

The powerful new microprocessor allows storage of up to 300 patients for 8 tests, a total of 2400 test results. Test programming may be either downloaded through the host query feature from a host computer or entered through the keypad. Demographic information for each patient may be transmitted from the host or entered via the keypad. Patient results will include indicator flags relating to system warnings (E), as well as out-of-range QC (Q) and informative messages (I). ACL 7000 provides review, print-out and delete functions by loadlist, by status, by ID and other criteria. Cumulative and sample reports can be generated using an external printer (optional).

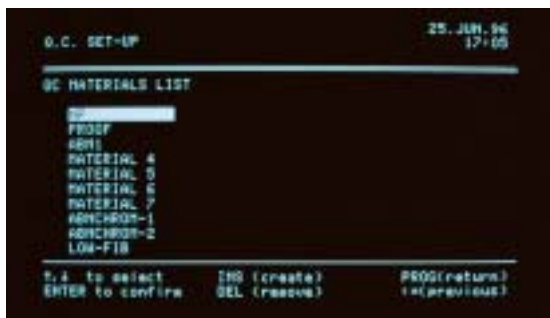


On-board QC database

The ACL 7000 QC module can now store up to 10 controls for 10 tests, a total of 100 files. Each control can be given a unique ID, easy to program it into a run. Each QC control can be assigned a user selectable position on the sample tray. Each QC file can store up to 100 results for test/control combination (FIFO handling). For each QC test/control, results can be reviewed based on either the Levey-Jennings plot or the cumulative results.



INTEGRATION TESTS MENU



Moreover the Levey-Jennings plot and cumulative results can be printed on the optional external printer. Each record also contains mean, number of determinations, SD, CV, etc., for the total database. QC results can now be transmitted manually or automatically to the host computer.

Alphanumeric keypad

The improved keypad lets you enter sample IDs into the system by using the barcode reader or directly through the keypad. Demographic data can be entered through the alphanumeric keypad or directly from the host. The new keypad makes it easy to move through menus using the arrow keys or to browse through your database using the Page-Up/Page-Down commands. Most operations can be performed with simple keypad commands.



Random programming

This feature enables you to perform random tests using single tests and profiles (you can download test requests from the host or program directly into your database).

Only the tests you request will be executed. If a programmed sample tray requires more than one rotor for the analysis, you will be alerted by an audible alarm as well as by a message on the screen. You can choose from a wide range of profiles up to 10 possible combinations.

APCR-V cycle

A major specialty assay for thrombotic risk assessment, such as the APCR-V, is now available through an automatic cycle.

Immunological testing

The new ACL 7000 offers expanded testing capabilities for immunological testing such as D-Dimer and von Willebrand Factor*.

Bidirectional interface

The new bidirectional interface makes it easy to integrate the ACL 7000 into your laboratory. The interface allows you to download sample IDs, test requests and patient demographics via automatic host query. You are also able to transmit test results to the host computer via automatic upload. The ACL 7000 comply with the ASTM standards protocol.

On-board barcode reader

The ACL 7000 is equipped with the internal barcode reader allowing automatic scanning of test tubes for ease of use and sample ID identification. Moreover the new Host Query system (automatic downloading and uploading) makes the instrument extremely user friendly.



Interface ports

The ACL 7000 supports the following interfaces:

- Port 1: External DMS option (bidirectional)
- Port 2: External Windows research program option (monodirectional)
- Port 3: External barcode scanner (optional)
- Port 4: Optional external printer

External printer (optional)

The optional external printer enlarges the reporting capabilities of the ACL 7000. New reports may be generated for patient data (cumulative and sample reports), for QC (set-up, Levey-Jennings plot and cumulative results), for optional configurable cycles and warning report. The report header can now be customized. The ACL 7000 supports the ESC/P2 emulation protocol for the external printer. The internal printer can still be used to print out results (after each run), calibration data, calibration graph, etc..



Liquid-level sensing during run

Most routine tests now include liquid level sensing during each aspiration with immediate user feedback. This feature is available with PT-Fib, APTT, TT, Fib-C, HPX* and PCX* analyses. All remaining tests have liquid level detection at the end of the loading phase.

* Not currently available in the United States.



For special applications, the ACL 7000 offers the flexibility of 10 user definable (configurable) cycles coupled with the new Windows Research Plus program.



Configurable cycles and new Windows Research Plus program (optional)

The ACL 7000 expands your ability to configure additional cycles. You can designate 10 programmable cycles. We have added new capabilities in terms of loading sequences, washing, incubation and acquisition. The optional Windows Research Plus program provides a user selectable sequence file. This macro elaboration makes data processing, calibration and printing exceptionally easy.



Because of the text-based structure, research files are now exportable to other programs.

External DMS (optional)

We offer complete solutions to your laboratory needs, with fully integrated families of analyzers, reagents and software. Our external Data Management System enables you to link all your systems for maximum productivity and instantaneous information transfer.



The ACL 7000 offers complete integration into laboratory DMS systems according to the ASTM bidirectional protocol.

IL Coagulation Reagents The complete system

With the recent additions of APCR-V, D-Dimer and von Willebrand Factor* more than 27 applications are available on the ACL 7000. IL coagulation analyzers and reagents are perfectly matched.

The exceptional range and sensitivity of IL coagulation reagents ensure consistently superior analytical performance.

With IL's comprehensive menu of reagents, ACL systems automate all your screening tests (PT and APTT° with various formulations, Fibrinogen PT-based, Fibrinogen-Clauss and Thrombin Time) as well as Factor assays (XII, XI, IX, VIII, VII, X, V and II).

The complete ACL system also provides the flexibility to automate your specific assays such as APCR-V, D-Dimer, vWF*, Protein-C (ProClot), Protein-S, Pro-IL-Complex*, Hepatocomplex*, LAC-Screen and LAC-Confirm (Lupus assessment)

Our chromogenic menu includes assays for Antithrombin, Plasminogen, Plasmin Inhibitor, Protein-C and Heparin. IL Calibrators and Controls help you to maintain the highest level of performance. IL's complete line of reagents assures the most sophisticated, reliable tools available, guaranteed by the highest standards of production and quality control.



Features		ACL 7000
Coagulometric channel		YES
Chromogenic channel		YES
Immunological test (D-Dimer and vWF)		YES
Primary tubes		YES
On-board barcode reader		YES
External barcode scanner		Optional
Alphanumeric keypad		YES
Reagent/sample sensors		YES
Preheater		YES
Throughput/hour	PT-Fib	175
	APTT	110
Internal printer		YES
On board patient database		2400 tests results
On board QC database		100 files
Interface to host computer		Bidirectional (ASTM protocol)
Automatic downloading (host query)		YES
Automatic uploading		YES
Windows™ Research Plus program		Optional (External software package)
External printer (optional)		ESC/P2 emulation protocol
Automatic printing on External printer		YES
External DMS		Optional (External software package)

° Not all APTT formulations available in all countries.

* Not currently available in the United States.

INTEGRATED SYSTEMS



On-board barcode reader

The new on-board barcode reader allows easy identification of sample IDs.

Sample tray

New black printing makes position numbers easy to read.

Sampling arm

Advanced liquid level detection system for routine tests optimizes use of liquids and provides real-time information.

Keypad

56 keys (alphabet, numbers, instructions, etc.) offer added flexibility.



FOR YOUR LABORATORY

Dilutors

Precision syringes allow on-board autodilution for most available tests.

Internal printer

Automatic printing of patients results is available via internal printer.

VDU screen

The new white-on-black display combined with improved software (database, QC, profiles, etc.) makes the ACL family even easier to use.

Rotor holder compartment

Centrifugal technology at 660 nm (nephelometry) and 405 nm (absorbance) channels further expands your test menu.



Worldwide Locations



Instrumentation Laboratory Corporate Headquarters

Aragón 90-08015 Barcelona, Spain
P.O. Box 35027 (08080)
Telephone: 34-93-4010101
Fax: 34-93-4513745

US, Canada, Latin America, Headquarters

Instrumentation Laboratory Company
101 Hartwell Avenue - P.O. Box 9113
Lexington, MA 02421-3125 U.S.A.
Telephone: 1-781-861-0710
Fax: 1-781-861-1908

Mexico

Instrumentation Laboratory Diagnostics, S.A. DE C.V.
Londres 47 - Colonia Juárez - Mexico, D.F. 06600
Telephone: 52-5-525-8639 - Fax: 52-5-525-8539

USA

Instrumentation Laboratory Company
101 Hartwell Avenue - P.O. Box 9113
Lexington, MA 02421-3125 U.S.A.
Telephone: 1-781-861-0710
Fax: 1-781-861-1908

Pacific Headquarters

Instrumentation Laboratory
Hamamatsucho General Bldg. 6F
2-2-15 Hamamatsucho
Minato-ku, Tokyo 105, Japan
Telephone: 81-3-3437-6350
Fax: 81-3-3437-6352

Hong Kong

Instrumentation Laboratory SpA
29th Floor Wing On Centre
111 Connaught Road Central
Hong Kong
Telephone: 852-27927773
Fax: 852-27919972

Japan

Instrumentation Laboratory
Hamamatsucho General Bldg. 6F
2-2-15 Hamamatsucho
Minato-ku, Tokyo 105, Japan
Telephone: 81-3-3437-6350
Fax: 81-3-3437-6352

Europe, Middle East, Africa Headquarters

Instrumentation Laboratory SpA
Viale Monza 338 - 20128 Milano, Italy
Telephone: 39-02-25221
Fax: 39-02-2575250

Austria

Instrumentation Laboratory Gesellschaft m.b.H.
Baldassgasse, 5 - Postfach 54
1211 Wien, Austria
Telephone: 43-1-2565800-0 - Fax: 43-1-2565800-88

Italy

Instrumentation Laboratory SpA
Viale Monza 338
20128 Milano, Italy
Telephone: 39-02-25221 - Fax: 39-02-2575250

Belgium

Instrumentation Laboratory (Belgium) N.V./S.A.
Excelsiorlaan 81 bus 1
1930 Zaventem (Brussels) - Belgium
Telephone: 32-2-7252052 - Fax: 32-2-7212409

Lithuania

Instrumentation Laboratory (Lietuva) B.I.
Savanoriu 281A
3009 Kaunas - Lithuania
Telephone: 370-7-313157 - Fax: 370-7-313159

Czech

Instrumentation Laboratory Czech*
Plananska 1
10800 Praha 10, Czech
Telephone: 420-2-7816047 - Fax: 420-2-7817434

Poland

Instrumentation Laboratory Poland**
Wolińska 4
03-699 Warszawa, Poland
Telephone: 22-8447412 - Fax: 22-8449963

France

Instrumentation Laboratory S.A.
32 Avenue de Saint-Mandé
B.P. 35 - 75560 Paris Cedex 12 France
Telephone: 33-1-53338600 - Fax: 33-1-53338601

The Netherlands

Instrumentation Laboratory (Netherlands) B.V.
Moskesbaan 2
4823 AH Breda - The Netherlands
Telephone: 31-76-5480100 - Fax: 31-76-5480102

Germany

Instrumentation Laboratory GmbH
Klausnerring 4
D-85551 Kirchheim bei München, Germany
Telephone: 49-89-909070 - Fax: 49-89-90907116

United Kingdom

Instrumentation Laboratory (U.K.) Ltd.
Kelvin Close - Birchwood Science Park
Warrington, Cheshire WA3 7PB - England
Telephone: 44-1925-81-0141 - Fax: 44-1925-826708

Hungary

Instrumentation Laboratory Hungary***
Róbert Károly krt. 82-84
H-1135 Budapest, Hungary
Telephone: 36-1-4527810 - Fax: 36-1-4527812

* IL Czech is the Diagnostic Division of Comesa Czech, a CH-Werfen Company

** IL Poland is the Diagnostic Division of Comesa Polska, a CH-Werfen Company

*** IL Hungary is the Diagnostic Division of Comesa Budapest, a CH-Werfen Company

Instrumentation Laboratory on Internet: <http://www.ilww.com>

This Brochure is used throughout the world.
Applications / tests listed may not yet be approved by the regulatory authorities in your country.
Please contact the appropriate office above for specific information regarding availability in your country.
IL product specifications are subject to modification to assure the highest quality performance.
Some of the IL sites may still be in the process of completing ISO.

ACL is a trademark of Instrumentation Laboratory. Windows is a trademark of Microsoft Corporation.
© Copyright 1997 Instrumentation Laboratory



A CH Werfen Company