

Integrative solutions at the speed of life



Acute Care Diagnostics

Acute Care Diagnostics: When care can't wait.

From the emergency department to the intensive care unit, acute care requires timely, decisive action, based on accurate diagnostic assessment. That's why thousands of hospitals trust **Acute Care Diagnostics** solutions from Instrumentation Laboratory (IL). Our **Blood Gas and Whole Blood Hemostasis** products deliver quality results, quickly and simply, for utmost efficiency and enhanced patient care.

GEM[®] PREMIER[™] 5000 | iQM²



GEM[®] PREMIER[™] 3500
with iQM²



GEM PREMIER[™]
ChemSTAT[®]



GEM Premier family of Blood Gas and Basic Metabolic Panel systems simplifies operations at the point of care by automating key labor- and skill-intensive tasks with Intelligent Quality Management (iQM/iQM2) and maintenance-free all-in-one PAKs.

GEMweb Plus 500 Custom Connectivity combines management of information, analyzers and operators into one intuitive data information management system.



GEMweb[®] Plus⁵⁰⁰
CUSTOM CONNECTIVITY

ROTEM[®]
delta



HemoChron[®]
SIGNATURE ELITE



VerifyNow[™]



Avoximeter[™]



ROTEM, HemoChron and VerifyNow systems are designed to help clinicians make key transfusion, bleeding risk and anticoagulant dose adjustment decisions during surgical and interventional procedures.

* Not available in all countries.

Blood gas and basic metabolic panel (BMP) testing

Blood gas, electrolyte and metabolite measurement for rapid assessment of respiratory and metabolic status and electrolyte balance. Systems incorporate iQM/iQM2 for real-time quality assurance at the point of care.

GEM[®] 5000 | iQM[®] 2

GEM[®] 3500
with iQM[®]

Whole blood BMP testing for rapid assessment of life-threatening conditions to support timely triage and management in the emergency department. Incorporates iQM for real-time quality assurance at the point of care.

GEM[®] PREMIER
ChemSTAT[®]

Whole blood hemostasis testing and CO-Oximetry

Viscoelastic testing for the rapid, comprehensive evaluation of coagulopathies to optimize patient treatment decisions during major surgeries and in cases of traumatic bleeding.

ROTEM[®]
delta

Activated clotting time (ACT) testing for heparin dose optimization at the point of care, during cardiovascular procedures and extracorporeal life support.

Hemochron[®]
SIGNATURE ELITE

Platelet function testing for individualized antiplatelet therapy management at the point of care, before and after cardiovascular and neurointerventional procedures.

VerifyNow[™]

Whole blood CO-Oximetry for rapid, accurate assessment of oxygenation status at the point of care.

Avoximeter[™]

Acute Care Diagnostics provides innovative solutions to integrate and simplify point-of-care testing—at every point of patient care.

Integrative solutions to help meet hospital-wide goals

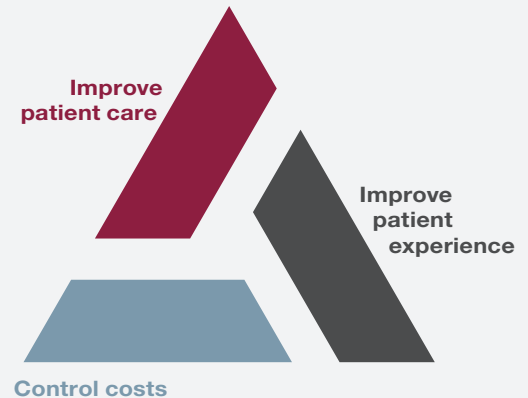
Today, many hospitals are challenged to improve the quality of patient care and experience, while controlling costs. IL Acute Care Diagnostics solutions can help achieve these goals when used in conjunction with defined clinical information, processes and procedures.

Solutions to improve patient care and experience

- Expedite turnaround time for rapid clinical decisions by streamlining testing processes at the point of care¹
- Reduce complications during and post-intervention through rapid evaluation of coagulopathy and platelet function²⁻⁷
- Reduce risk of medical errors due to pre-analytical issues⁸
- Minimize inappropriate transfusions in major surgery and traumatic bleeding^{2, 5, 7, 9, 10}

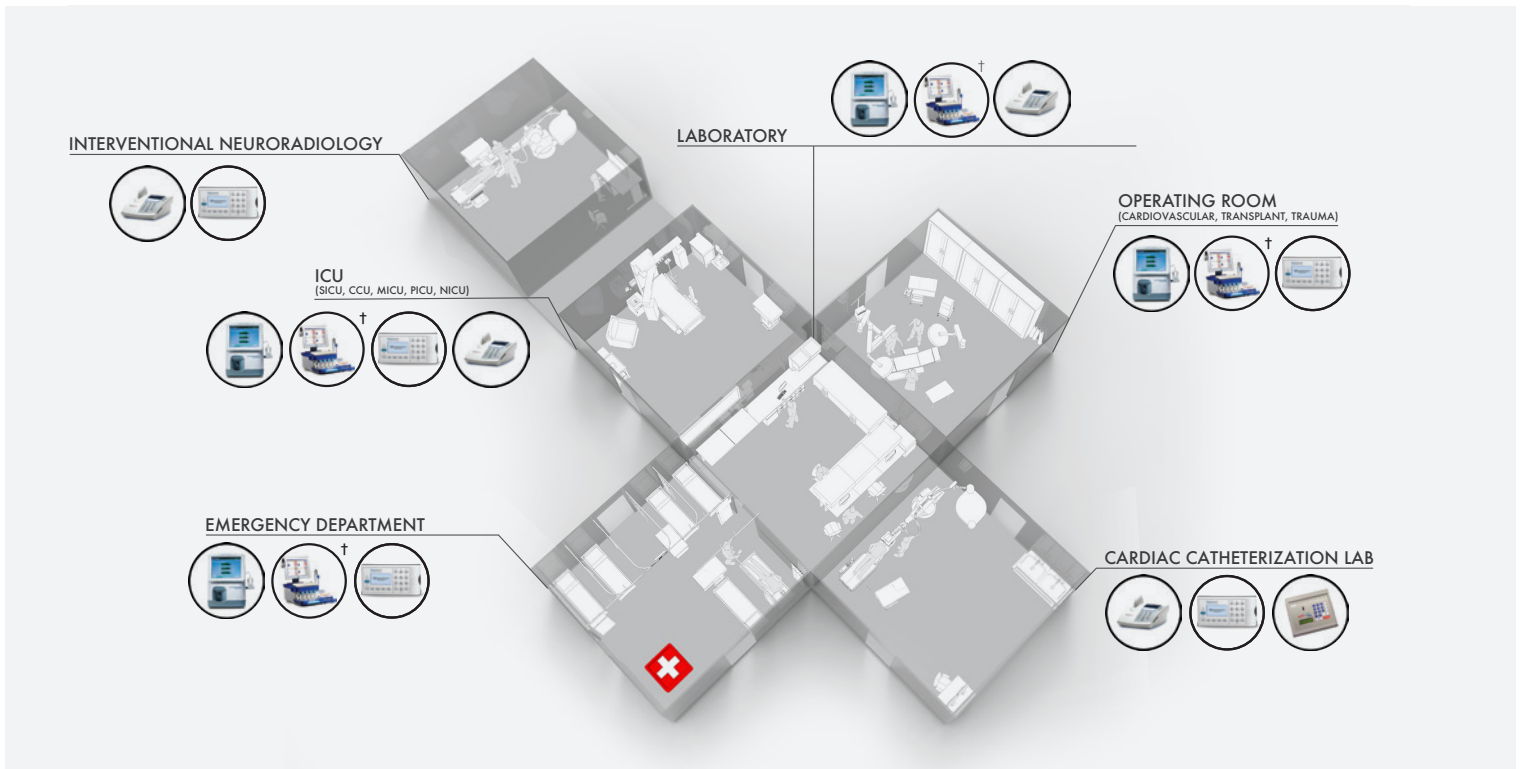
Solutions to control costs

- Increase workflow efficiency and time dedicated to patient care with comprehensive solutions designed for the point of care
- Reduce length of stay by enabling individualized, guided patient treatment^{2-4, 11}
- Optimize patient management and treatment by reducing inappropriate blood transfusions, potentially preventable complications, unnecessary procedures and treatment changes^{2, 5-7}



Acute Care Diagnostics solutions can help your institution enhance patient care while controlling costs.

Diagnostic solutions across the continuum of acute care settings*



* Based upon ordering department location.

† ROTEM *delta* is FDA 510(k)-cleared and Canada-licensed for laboratory use only, not at the point of care.

Quality, simplicity and efficiency from the lab to the point of care

- Intensive Care Units
- Cardiovascular, Trauma and Transplant Operating Rooms
- Cardiac Catheterization Lab
- Emergency Department
- Interventional Neuroradiology Suite

IL is the only *in vitro* diagnostic (IVD) device company that can provide a comprehensive set of diagnostic tests in perioperative hospital settings.

Designed for point-of-care testing

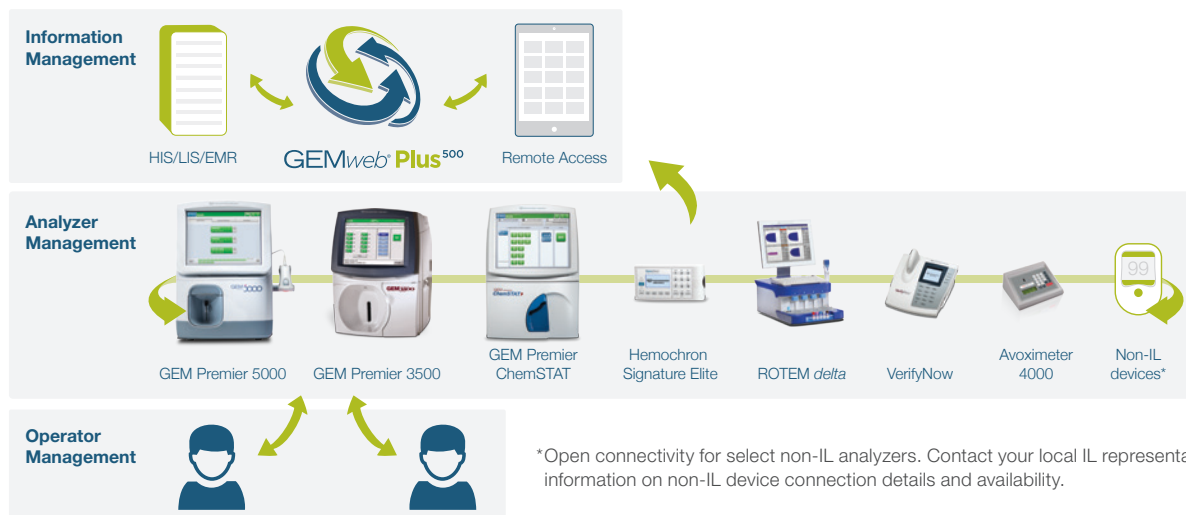
- Cartridge-based systems facilitate and expedite use at the point of care
- Device and data integration within hospital departments and networks enable management and ensure quality

IL Acute Care Diagnostics solutions help improve patient care and experience while reducing cost of care.

Data management

GEMweb Plus 500 Custom Connectivity provides customizable connectivity and automated functionality for complete management of information, analyzers, operators and data to enable:

- Laboratory oversight
- Regulatory compliance
- Accreditation management



HIS = Hospital Information System | LIS = Laboratory Information System | EMR = Electronic Medical Record

References

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3. Meybohm P, *et al.* Patient Blood Management is Associated with a Substantial Reduction of Red Blood Cell Utilization and Safe for Patient's Outcome: A Prospective, Multicenter Cohort Study With a Noninferiority Design. *Ann Surg*. 2016;264(2):203–11.
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Werfen

Corporate Headquarters

Plaza de Europa, 21–23
08908 L'Hospitalet de Llobregat
Barcelona, Spain
+34-93-4010101
werfen.com

Instrumentation Laboratory Headquarters

180 Hartwell Road
Bedford, MA 01730 USA
+1-781-861-0710
instrumentationlaboratory.com

Worldwide Locations

The Americas

Brazil
São Paulo
+55-11-46227878
br.werfen.com

Canada
Richmond Hill, ON
+1-800-552-2025 x6115
instrumentationlaboratory.com

Colombia
Bogotá
+57-15-221-052

Mexico
Mexico City
+52-55-5262-1760
mx.werfen.com

Uruguay
Montevideo
+5982-481-81-33

USA
Bedford, MA
+1-781-861-0710
instrumentationlaboratory.com

Asia-Pacific

Australia
Sydney
+61-02-9098-0200
au.werfen.com

China
Beijing
+86-10-59756055
Hong Kong
+852-2792-7773
Shanghai
+86-21-66308671
cn.werfen.com

India
New Delhi
+91-490-29-550
in.werfen.com

Japan
Tokyo
+81-3-5419-1301
jp.werfen.com

Korea
Seoul
+82-1899-9217
kr.werfen.com

Thailand
Bangkok
+66-271-226-28/9

Europe

Austria
Vienna
+43-1-256-58-000
at.werfen.com

Belgium
Brussels
+32-2-7252052
benelux.werfen.com

Czech Republic
Prague
+420-246-090-931
cz.werfen.com

France
Paris
+33-182-30-86-00
fr.werfen.com

Germany
Munich
+49-89-909070
de.werfen.com

Hungary
Budapest
+36-1-882-73-10
hu.werfen.com

Italy
Milan
+39-02-25221
it.werfen.com

Lithuania
Kaunas
+370-37-313157
lt.werfen.com

The Netherlands
Breda
+31-76-5480100
benelux.werfen.com

Poland
Warsaw
+48-22-336-18-00

Portugal
Lisbon
+351-214247312
pt.werfen.com

Russia
Moscow
+7-499-124-45-59
ru.ilwerfen.com

Spain
Barcelona
+34-902-20-30-90
es.werfen.com

UK
Warrington, England
+44-1925-810141
uk.werfen.com

For all other countries visit
international.werfen.com

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