

2024 Critical Care Diagnostics Market in Ancillary Hospital Locations (ER, OR, ICU): Supplier Shares and Strategies, Instrumentation Review, Emerging Technologies

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Abstracts

This 973-page report contains 153 tables and provides a comprehensive analysis of the diagnostic testing markets outside the main hospital laboratory (ERs, ORs, and ICUs). The report includes analysis of the market dynamics, size, growth, regulatory requirements, technological trends, competitive landscape, and emerging opportunities for instrument and consumable suppliers. We trust, this report will help diagnostic products suppliers develop more effective business, R&D and marketing strategies. The report is available by section, and can be customized to specific information needs and budget.

Rationale

The growing economic pressures on hospitals, coupled with advances in diagnostic technologies, intensifying competition among suppliers and physicians, and changing consumer demands are shifting diagnostic testing from hospitals closer to the patient.

Market Segmentation Analysis

Review of the ER, OR and ICU market segments, including their dynamics, trends, structure, size, growth and major suppliers.

Five-year test volume and sales forecasts for chemistry, immunodiagnostic, microbiology, hematology and coagulation procedures by market segment:

Emergency Rooms

Operating/Recovery Suites

ICUs/CCUs

and test category:

Routine and Special Chemistry

Microbiology/Infectious Diseases

Hematology

Flow Cytometry

Coagulation

Immunoproteins

Drugs of Abuse

TDM

Endocrine Function

Tumor Markers

Sales and Market Share Analysis

Sales and market shares of major reagent and instrument suppliers.

Current and Emerging Products

Analysis of over 130 diagnostic procedures.

Review of leading POC chemistry, immunoassay, hematology and coagulation analyzers, both currently marketed and those in development, including their

operating characteristics, features and selling prices.

Technology Review

Emerging technologies and their applications for POC testing.

Comprehensive listings of companies developing or marketing POC diagnostic technologies and products, by test.

Competitive Assessments

Assessments of major suppliers and emerging market entrants, including their sales, product portfolios, marketing tactics, joint ventures, and new products in R&D.

Strategic Recommendations

Specific opportunities for new POC instruments and reagent systems with potentially significant market appeal during the next five years.

Design criteria for POC testing products.

Alternative business expansion strategies.

Potential market entry barriers and risks.

Methodology

This report is based on a combination of primary and secondary sources of information, including review of recent technical and business publications, manufacturer product literature, industry analyst reports, and VPGMarketResearch's proprietary data files.

Contains 973 pages and 153 tables

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8. Defensive Medicine
9. Quality Control Issues

WORLDWIDE MARKET AND TECHNOLOGY OVERVIEW

Major Routine Chemistry Tests

2. Albumin
2. Alkaline Phosphatase
3. ALT/SGPT
4. Ammonia
5. Amylase
6. AST/SGOT
7. Bilirubin
8. Blood Gases
9. Blood Urea Nitrogen (BUN)
10. Calcium
12. Cholesterol
13. Cholinesterase
13. Creatinine
14. Electrolytes
 - a. Carbon Dioxide/Bicarbonate
 - b. Chloride
 - c. Potassium
 - d. Sodium
15. Ferritin
16. Folate/Folic Acid
17. Fructosamine

18. Gamma-Glutamyl Transpeptidase (GGT)

19. Glucose

20. High Density Lipoprotein (HDL)

22. Iron

23. Lactate Dehydrogenase (LDH)

23. Magnesium

24. Phosphorus

25. Protein

26. Triglycerides

27. Troponin

28. Uric Acid

29. Urinalysis

30. Vitamin B12

Infectious Disease Tests

2. AIDS

2. Adenovirus

3. Campylobacter

4. Candida

5. Chlamydia

6. Clostridium Difficile

7. Cytomegalovirus

8. Enteroviruses

9. Epstein-Barr Virus

10. Gonorrhea

12. Helicobacter Pylori

13. Hepatitis

a. Hepatitis A

b. Hepatitis B

c. Hepatitis C

d. Hepatitis D

13. Herpes Simplex Virus

14. Human Herpes Virus-6 (HHV-6)

15. Influenza Viruses

16. Legionella

17. Lyme Disease

18. Measles (Rubeola)

19. Meningitis

20. Mononucleosis

22. Mumps

- 23. Mycoplasma
- 23. Papillomaviruses
- 24. Pneumonia
- 25. Respiratory Syncytial Virus (RSV)
- 26. Rheumatoid Arthritis
- 27. Rotavirus (Reovirus)
- 28. Rubella (German Measles)
- 29. Salmonellosis
- 30. Shigellosis
- 32. Staphylococcus Aureus
- 33. Streptococci
- 33. Syphilis

Tumor Markers

- 2. Alpha-Fetoprotein (AFP)
- 2. Carcinoembryonic Antigen (CEA)
- 3. Occult Blood
- 4. Prostatic Acid Phosphatase (PAP)
- 5. Prostate-Specific Antigen (PSA)

Major Routine and Special Hematology Tests

- 2. CBC Analysis
 - a. Hemoglobin Concentration
 - b. Hematocrit Determination
 - c. Red Blood Cell Count
 - d. Platelets

Endocrine Function Tests

- 2. Cortisol
- 2. Follicle-Stimulating Hormone (FSH)
- 3. Gastrin
- 4. Human Chorionic Gonadotropin (HCG)
- 5. LH
- 6. Prolactin
- 7. T3
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- 9. Free T3
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- 12. Free T4
- 13. TBG
- 13. TSH

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 - 3. Digoxin
 - 4. Gentamicin
 - 5. Lidocaine
 - 6. Lithium
 - 7. Phenytoin/Dilantin
 - 8. Procainamide
 - 9. Quinidine
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 - 7. Cocaine
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 - 9. Methadone
 - 10. Methaqualone

12. Opiates

13. Phencyclidine

Instrumentation

2. Chemistry Analyzers Manufactured by:

Abaxis

Abbott

Alfa Wassermann

Awareness Technologies

Beckman Coulter/Danaher

bioMerieux

Carolina Chemistries

Horiba

Medica

Nova Biomedical

Ortho-Clinical Diagnostics

Polymedco

Randox

Roche

2. Hematology Analyzers Manufactured by:

Abbott

Becton Dickinson

Beckman Coulter/Danaher

Biocode

Drew-Scientific

Diesse Ves Matic

Horiba

Menarini

Nihon Kohden

Polymedco

Sysmex

3. Coagulation Analyzers Manufactured by:

Behnk Elektronik

Bio/Data

Cardiovascular Diagnostics

Diagnostica Stago

Helena Laboratories

Instrumentation Laboratory

Roche

Siemens Healthineers

Sysmex

Teco Medical Instruments

Trinity Biotech

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b. Enzyme Immunoassays (EIA)

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ELISA

Dot Immunobinding Assays

Capillary Immunoassays

Particle-Membrane Capture Immunoassay

Enzyme Amplification

c. Fluorescent Immunoassays

Fluorescent Polarization

Time-Resolved Pulse Fluorescence

d. Luminescence

Chemiluminescence

Bioluminescence

e. Latex Agglutination

f. Immunoprecipitation

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4. Biosensors

5. IT and Automation

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Polymerase Chain Reaction

Ligase Chain Reaction

Branched DNA

Q-Beta Replicase

Strand Displacement Activation

Self-Sustained Sequence Replicase

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U.S.A.

Market Overview

2. Business Environment

- a. Health Care Expenditures
- b. Cost Consciousness
- c. Reimbursement
- d. Industry Consolidation
- e. Managed Care

PPO

HMO

f. Hospitals

g. Admissions

h. Length of Stay

i. Industry Diversification

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k. Aging Population

More Chronic Illness

Disease Incidence

Susceptibility to Iatrogenesis

Multiple Illnesses Cases

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b. Commercial/Private Laboratories

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- b. Operating Suites
- c. Intensive Care Units

2. Emergency Departments

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- b. Test volume and Sales Forecasts

3. Operating and Recovery Suites

- a. Market Summary
- b. Test Volume and Sales Forecasts

4. ICUs/CCUs

- a. Market Summary
- b. Test Volume and Sales Forecasts

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- B. Microbiology/Infectious Diseases
- C. Hematology and Flow Cytometry
- D. Coagulation

DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS

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- B. Collaborative Arrangements
- C. University Contracts
- D. Distribution Strategies for Decentralized Testing Markets
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 - 2. Product complexity
 - 3. Customer Preference
 - 4. Established Suppliers
 - 5. Emerging Suppliers
 - 6. Major Types of Distributors
 - 7. Market Segmentation

POTENTIAL MARKET ENTRY BARRIERS AND RISKS

- A. Market Maturity
- B. Cost Containment
- C. Competition
- D. Technological Edge and Limitations
- E. Patent Protection
- F. Regulatory Constraints
- G. Decentralized Testing Market Challenges

COMPANY PROFILES

Abbott
Accriva
Agilent Technologies
Axis-Shield
Beckman Coulter/Danaher

Becton Dickinson
Bio/Data
bioMerieux
Bio-Rad
Cepheid
Chrono-Log
Corgenix
Decode Genetics
Diagnostics Stago
Diamedix
DiaSorin
Eiken Chemical
EKF Diagnostics
Fujirebio
Grifols
Helena Laboratories
Hologic
Horiba
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