

2024 POC Testing Markets: 2023 Supplier Shares, 2023-2028 Volume and Sales Segment Forecasts for Cancer Clinics, Ambulatory Centers, Surgery Centers, Nursing Homes, Birth Centers-Emerging Technologies, Instrumentation Review, Competitive Strategies-

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Abstracts

This report provides a comprehensive analysis of the emerging POC market segments, including their dynamics, size, growth, regulatory requirements, technological trends, competitive landscape, and emerging opportunities for instrument and consumable suppliers. This report will help diagnostic instrument and reagent 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 and commercial laboratories closer to the patient.

Market Segmentation Analysis

Review of the emerging POC market segments, including their dynamics, trends, structure, size, growth and major suppliers.

Five-year test volume and reagent sales forecasts for chemistry,

immunodiagnostic, microbiology, hematology and coagulation
procedures by market segment:

Cancer Clinics

Ambulatory Care Centers

Surgery Centers

Nursing Homes

Birth Centers

and by 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 the 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.

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8. Defensive Medicine
9. Quality Control Issues

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A. Major Routine Chemistry Tests

1. 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
11. Cholesterol
12. 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)

21. Iron
22. Lactate Dehydrogenase (LDH)
23. Magnesium
24. Phosphorus
25. Protein
26. Triglycerides
27. Troponin
28. Uric Acid
29. Urinalysis
30. Vitamin B12

Infectious Disease Tests

1. AIDS
2. Adenovirus
3. Campylobacter
4. Candida
5. Chlamydia
6. Clostridium Difficile
7. Cytomegalovirus
8. Enteroviruses
9. Epstein-Barr Virus
10. Gonorrhea
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15. Influenza Viruses
16. Legionella
17. Lyme Disease
18. Measles (Rubeola)
19. Meningitis
20. Mononucleosis
21. Mumps
22. Mycoplasma
23. Papillomaviruses
24. Pneumonia

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

Tumor Markers

1. 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

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

Endocrine Function Tests

1. Cortisol
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3. Gastrin
4. Human Chorionic Gonadotropin (HCG)
5. LH
6. Prolactin
7. T3
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9. Free T3
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11. Free T4
12. TBG
13. TSH

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7. Factor VIII
8. Fibrin Degradation Products
9. Fibrinogen
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11. Proteins C and S
12. Prothrombin Time (PT)
13. Thrombin Time

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6. Cannabinoids/Marijuana
7. Cocaine
8. Lysergic Acid Diethylamide (LSD)
9. Methadone
10. Methaqualone
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12. Phencyclidine

Instrumentation

1. Chemistry Analyzers Manufactured by:

Abaxis
Abbott
Alfa Wassermann
Awareness Technologies
Beckman Coulter/Danaher
bioMeriuex
Carolina Chemistries
Horiba
Inverness
Medica
Nova Biomedical
Ortho-Clinical Diagnostics
Polimedco
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
ITC Hemochron
Roche
Siemens
Sysmex
Teco Medical Instruments

Trinity Biotech

Current and Emerging Technologies

1. Monoclonal Antibodies
2. Immunoassays
 - a. Technological Principle
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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

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Bioluminescence

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Ligase Chain Reaction

Branched DNA

Q-Beta Replicase

Strand Displacement Activation

Self-Sustained Sequence Replicase

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U.S.A.

A. Market Overview

1. Business Environment
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 - b. Cost Consciousness
 - c. Reimbursement

- d. Industry Consolidation
- e. Managed Care

PPO

HMO

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More Chronic Illness

Disease Incidence

Susceptibility to Iatrogenesis

Multiple Illnesses Cases

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Decode Genetics
Diamedix
DiaSorin
Eiken Chemical
EKF Diagnostics
Fujifilm Wako
Fujirebio
Grifols
Helena Laboratories
Hologic
Horiba
Instrumentation Laboratory/Werfen
Kyowa Medex
LabCorp
Leica Biosystems
Lonza
Nihon Kohden
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