

Analysis of Emerging Hematology and Flow Cytometry Tests And Strategic Profiles of Leading Suppliers

Table of Contents

A. Major Routine and Special Hematology Tests

1. Introduction
2. CBC Analysis
 - a. Hemoglobin Concentration
 - b. Hematocrit Determination
 - c. Red Blood Cell Count
 - d. Red Cell Indices
 - ° MCV
 - ° RDW
 - ° MCHC
 - ° CHCM
 - ° HDW
 - ° MCH
 - e. Red Cell Size Histograms
 - f. Platelets
 - ° Platelet Count
 - ° Platelet Size/MPV
 - ° PDW
 - ° Automated Systems
 - g. Reticulocytes
3. White Blood Cell Analysis
 - a. WBC Count
 - b. Five-Partial Differential Major Suppliers
 - ° Abbott
 - ° Beckman Coulter/Danaher
 - ° Siemens
 - ° Sysmex
 - c. Pattern Recognition Systems
 - ° IRIS
 - d. Comparison of Major Differential Analyzers

Table of Contents (continued)

4. Reticulocytes
5. Platelet Function Tests
6. Erythrocyte Sedimentation Rate/CRP
7. Red Cell Analysis
8. 2, 3 DPG
9. Red Cell Deformability
10. Neutrophil Function Tests
11. Semen Analysis
12. Bone Marrow Analysis
13. Urinalysis

B. Major Flow Cytometry Applications

1. Cell Surface Markers
 - a. Lymphocyte Subclassification CD4/CD8
 - ° Instrumentation and Reagent Test Kits
 - * BD
 - * Beckman Coulter/Danaher
 - * T Cells Diagnostics
 - b. Other Cell Markers
2. DNA Content Analysis
3. RNA Content Analysis
4. Chemotherapy Monitoring
5. Cell Cycle Analysis
6. Chromosome Analysis
7. Fetal Cell Analysis
8. HLA Typing
9. Microbiology
10. Protein Content Analysis
11. Multiparameter Analysis
12. Other Applications

Competitive Profiles

- Abbott
- Beckman Coulter/Danaher
- Becton Dickinson
- Bio-Rad
- CellaVision
- Dako
- Horiba
- Iris

Table of Contents (continued)

- Nihon Kohden
- Ortho-Clinical Diagnostics
- Roche
- Siemens
- Sysmex