









MEDICAL DEVICES

PHARMACEUTICALS

CHEMICALS

FOOD & BEVERAGE

ELECTRONICS

Table of Contents and List of Tables

Copyright 2012 VENTURE PLANNING GROUP This material is confidential for use by our clients only and may not be reprinted or reproduced.

VPG Publications, Consulting, Clients www.VPGcorp.com

VPG Market Research Reports www.VPGMarketResearch.com

VPG Partner Reports www.Research-Store.com/VPG

Table of Contents

1. Blood Typing and Grouping Tests

- a. ABO
- b. Antibody Panels
- c. Antibody Screening
- d. Antigen Typing
- e. Antiglobulin Test
- f. Crossmatch
- g. HLA Typing
- h. Rh
- i. Other Blood Groups

2. Infectious Disease Screening Tests

- a. AIDS
 - Structure and Composition
 - Classification
 - Origin of AIDS
 - Animal Lentivirus Systems
 - Virus Receptors
 - HIV Infections in Humans
 - -Pathogenesis & Pathology
 - -Overview of Course of HIV Infection
 - CD4T Lymphocytes and Memory Cells
 - Monocytes and Macrophages
 - Lymphoid Organs
 - Neural Cells
 - Viral Coinfections
 - -Clinical Findings
 - Plasma Viral Load
 - Pediactric AIDS
 - -Neurologic Disease
 - -Opportunistic Infections
 - -Protozoa
 - -Fungi
 - -Bacteria

Table of Contents (continued)

- Viruses
- Cancer
- Immunity
- Laboratory Diagnosis
 - -Virus Isolation
 - -Serology
 - -Detection of Viral Nucleic Acid or Antigens
- Epidemiology
 - -Worldwide Spread of AIDS
 - -United States
 - -Routes of Transmission
- Prevention, Treatment, And Control
 - -Antiviral Drugs
 - -Vaccines Against HIV
- Transmission of HIV in Blood Products
- HIV Transmission in Transplant and Artificial Insemination Recipients
- Diagnostic Tests
 - Enzyme Immunoassay Interpretation
 - Specificity, Sensitivity, and Predictive Value of Enzyme Immunoassay
- Competition Assays
- Western Blot Technique
- Immuno-Fluorescence Assay (IFA)
- Radioimmunoprecipitation
- HIV-1/HIV-2 Combination Testing
- Methods of HIV-Antigen Detection
- Antigen Assays and Blood Screening
- Urine Tests
- DNA Probes
 - Overview
 - Quantitative Polymerase Chain Reaction
 - In Situ PCR
 - Needed Improvements
- Viral Load/Drug Resistance Testing
- Genotype and Phenotype Testing
- Blood Banking Considerations
- b. Hepatitis
 - Hepatitis A
 - Hepatitis B
 - -Structure and Composition
 - -Replication of Hepatitis B Virus

Table of Contents (continued)

- Hepatitis C
- Hepatitis D (Delta Hepatitis)
- Hepatitis E
- Hepatitis G
- Hepatitis Virus Infections In Humans
 - -Pathology
- Clinical Findings
- Laboratory Features
 - -Hepatitis A
 - -Hepatitis B
 - -Hepatitis C
 - -Hepatitis D
 - -Hepatitis E
- Virus-Host Immune Reactions
- Epidemiology
 - -Hepatitis A
 - -Hepatitis B
 - -Hepatitis C
 - -Hepatitis D (Delta Agent)
- Vaccines and Drugs
- c. Cytomegalovirus
 - Background
 - Chorioretinitis
 - Gastrointestinal
 - Central Nervous System Disease
 - Diagnostic Tests
 - Vaccines and Drugs
- d. Syphilis
 - Background
 - Diagnostic Tests
 - Vaccines and Drugs
- e. West Nile Virus
 - Background
 - Clinical Syndromes
 - Diagnostic Tests
 - Vaccines and Drugs
- f. Parvovirus B19
 - Microbiology
 - Epidemiology
 - Clinical Syndromes
 - -Erythema Infectiosum Slapped (cheek)
 - -Adult Polyarthropathy

Table of Contents (continued)

- -Transient Aplastic Crisis
- -Transient Pancytopenia
- -Red Cell Aplasia in the Immunocompromised
- -Perinatal Infections
- Diagnosis
- Treatment
- g. Creutzfeldt-Jakob's Disease
 - Background
 - Transmission
 - Diagnostic Tests
 - Major Commercial and Academic Players
 - -Bayer
 - -Disease Sciences/BioTec Global
 - -Imperial College School of Medicine
 - -Ortho-Clinical Diagnostics
 - -Pall
 - -ProMetic Life Sciences
 - -Proteome Sciences/Idexx
 - -Q-One Biotech
 - -Serono
 - -U.S. Agricultural Research Service
 - Drugs
 - Vaccines
- h. Malaria
 - i. Chagas Disease
 - j. Babesiosis
- 3. Pathogen Reduction
- 4. Leukocyte Reduction
 - Background
 - Methods

List of Tables

Major Companies Developing or Marketing Blood Typing and Grouping Tests

Major Companies Developing or Marketing HLA Typing Tests

Major Companies Developing or Marketing AIDS Tests

Major Companies Developing or Marketing Hepatitis Tests

Major Companies Developing or Marketing CMV Tests

Major Companies Developing or Marketing Syphilis Tests