

# Blood Culture Collect: Child Health – Guideline Summary

# Temp ≥ 38°C? Signs of sepsis? e.g. Chills, Rigors, THR, ↓8P

- A blood culture set in Child Health consist of at least one blood culture bottle – use the correct bottle and collect the correct amount based on patient weight.
- Patients under the <u>Starship Blood and Cancer Centre</u> are to have a minimum of two culture bottles sent. Either:
  - x2 peripheral
  - x2 from single lumen catheters.
  - Each lumen of multi-lumen catheters
- Additional blood cultures taken from separate sites should be obtained for patients in Paediatric Intensive Care Unit (PICU)
- If high clinical suspicion of anaerobe infection, send additional anaerobic bottle, always inoculate aerobic bottle first.

#### Remember:

- · Always fill blood culture bottles first before inoculating other blood tubes.
- Do not allow air to enter anaerobic (purple) bottle
- Invert bottles to mix
- Label Specimens: Do not cover base of bottle or barcade with label
- Place bottles in specimen bug and transport to laboratory via lamson as soon as possible



#### Paediatric Aerobic

Use if weight <30kg

1-5mt blood required ( 0.25ml/kg)



#### Aerobic

Use if weight >30kg

8-10ml of blood required



Anaerobic

(consider if anoerobe infection suspected) Use if weight >30kg

8-10ml of blood required

# **Blood Culture Guideline**

**Julia Schneider** 

#### **Blood Culture Guideline:**

**Principles and Procedures for Blood Cultures** Clsi,2007-01-01 **Principles and Procedures for Blood Cultures-**Phlebotomy Essentials Ruth E. McCall, 2023-08-11 Phlebotomy Essentials Eighth Edition **Proposed Guideline** Clsi, provides accurate up to date and practical information and instruction in phlebotomy procedures and techniques along with a comprehensive background in phlebotomy theory and principles It is appropriate for use as an instructional text or as a reference for those who wish to update skills or study for national certification This updated edition details how today s phlebotomists work in an approach optimized for how today s students learn Combined with an optional Workbook Exam Review book and updated digital courseware the latest edition of Phlebotomy Essentials represents a cornerstone of preparation for a successful career in phlebotomy Complete program integration of textbook workbook and exam review products working together as a complete learning system for optimal student outcomes Phlebotomy Essentials Eighth Edition with Navigate Premier AccessStudent Workbook for Phlebotomy Essentials Eighth EditionPhlebotomy Exam Review Eighth Edition with Navigate Premier Access Phlebotomy EssentialsUpdated to current CLSI guidelinesTestPrep alerts throughout the textbook share current statistics on which questions students typically get wrong and why Map of NAACLS Standards where each competency is coveredCertification Test Plan Alignment Map including American Medical Technologists AMT Registered Phlebotomy TechnicianAmerican Society for Clinical Pathology ASCP Phlebotomy TechnicianNational Healthcareer Association NHA Certified Phlebotomy TechnicianNational Center for Competency Testing NCCT National Certified Phlebotomy Technician 2024 516 pages Phlebotomy Exam Review Ruth E. McCall, 2023-08-15 Phlebotomy Exam Review Eighth Edition provides a comprehensive review of current phlebotomy theory and offers and ideal way to study for phlebotomy licensing or national certification exams It also makes for an excellent study tool for students taking formal phlebotomy training programs By answering the questions in this review student can test their knowledge and application of current phlebotomy theory Theory questions address recent federal safety standards Clinical and Laboratory Standards Institute CLSI guidelines and the National Accrediting Agency for Clinical Laboratory Sciences NAACLS phlebotomist competencies when applicable Questions are standard multiple choice like those used on national exams with choices that often test your critical thinking abilities Tietz Clinical Guide to Laboratory Tests - E-Book Alan H. B. Wu,2006-06-08 This new edition of Norbert Tietz's classic handbook presents information on common tests as well as rare and highly specialized tests and procedures including a summary of the utility and merit of each test Biological variables that may affect test results are discussed and a focus is placed on reference ranges diagnostic information clinical interpretation of laboratory data interferences and specimen types New and updated content has been added in all areas with over 100 new tests added Tests are divided into 8 main sections and arranged alphabetically Each test includes necessary information such as test name or disorder and method specimens and special requirements reference ranges chemical interferences and in

vivo effects kinetic values diagnostic information factors influencing drug disposition and clinical comments and remarks The most current and relevant tests are included outdated tests have been eliminated Test index with extensive cross references and disease index provide the reader with an easy way to find necessary information Four new sections in key areas Preanalytical Flow Cytometry Pharmacogenomics and Allergy make this edition current and useful New editor Alan Wu who specializes in Clinical Chemistry and Toxicology brings a wealth of experience and expertise to this edition The Molecular Diagnostics section has been greatly expanded due to the increased prevalence of new molecular techniques being used in laboratories References are now found after each test rather than at the end of each section for easier access Douglas, and Bennett's Principles and Practice of Infectious Diseases E-Book John E. Bennett, Raphael Dolin, Martin J. Blaser, 2019-08-08 For four decades physicians and other healthcare providers have trusted Mandell Douglas and Bennett s Principles and Practice of Infectious Diseases to provide expert guidance on the diagnosis and treatment of these complex disorders The 9th Edition continues the tradition of excellence with newly expanded chapters increased global coverage and regular updates to keep you at the forefront of this vitally important field Meticulously updated by Drs John E Bennett Raphael Dolin and Martin J Blaser this comprehensive two volume masterwork puts the latest information on challenging infectious diseases at your fingertips Provides more in depth coverage of epidemiology etiology pathology microbiology immunology and treatment of infectious agents than any other infectious disease resource Features an increased focus on antibiotic stewardship new antivirals for influenza cytomegalovirus hepatitis C hepatitis B and immunizations and new recommendations for vaccination against infection with pneumococci papillomaviruses hepatitis A and pertussis Covers newly recognized enteroviruses causing paralysis E A71 E D68 emerging viral infections such as Ebola Zika Marburg SARS and MERS and important updates on prevention and treatment of C difficile infection including new tests that diagnose or falsely over diagnose infectious diseases Offers fully revised content on bacterial pathogenesis antibiotic use and toxicity the human microbiome and its effects on health and disease immunological mechanisms and immunodeficiency and probiotics and alternative approaches to treatment of infectious diseases Discusses up to date topics such as use of the new PCR panels for diagnosis of meningitis diarrhea and pneumonia current management of infected orthopedic implant infections newly recognized infections transmitted by black legged ticks in the USA Borrelia miyamotoi and Powassan virus infectious complications of new drugs for cancer new drugs for resistant bacteria and mycobacteria new guidelines for diagnosis and therapy of HIV infections and new vaccines against herpes zoster influenza meningococci PPID continues its tradition of including leading experts from a truly global community including authors from Australia Canada and countries in Europe Asia and South America Includes regular updates online for the life of the edition Features more than 1 500 high quality full color photographs with hundreds new to this edition Enhanced eBook version included with purchase which allows you to access all of the text figures and references from the book on a variety of devices Linne & Ringsrud's Clinical

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This text examines clinical features influencing treatment including comorbid psychiatric disorders and general medical conditions It also provides guidance for educating the patient and family and assessing and ensuring patient safety Ultimately this guideline can assist psychiatrists in their clinical decision making and improve the care of their patients **Clinical Guidelines in Neonatology** Lucky Jain, 2019-07-05 Publisher's Note Products purchased from Third Party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitlements included with the product The first neonatal handbook to focus on clinical protocols and best management practices Clinical Guidelines in Neonatology provides a compilation of the most current and authoritative clinical care recommendations for the neonatal patient The goals of this innovative text are to help deliver effective evidence based neonatal care foster consensus in practice and to enable clinicians to deliver the best value for every healthcare dollar spent Readers will find it to be a comprehensive source of clinical recommendations care paths and quidelines to help them manage the most commonly encountered neonatal conditions Spanning all major areas of neonatal care Clinical Guidelines in Neonatology bypasses dense explanations in favor of high yield text and ready to apply evidence based management guidelines Chapters follow a uniform presentation of neonatal conditions that include the scope major recommendations implementation of guidelines into practice summary and bibliographic sources Features Chapters focus on clinical management practices and evidence based supporting data rather than lengthy descriptions of disease and practice Covers all major areas of neonatal and perinatal medicine including antenatal and perinatal management neonatal transition nutrition fluids and electrolytes respiratory distress cardiovascular disorders blood disorders infections endocrine and metabolic disorders and neurological issues Text is supplemented by evidence based diagnostic and treatment algorithms detailed illustrations and clinical images <u>Clinical Practice Guidelines for Vascular Access</u> National Kidney The Sanford Guide to Antimicrobial Therapy 2008 David N. Gilbert, Merle A. Sande, 2008 Foundation, 1997 The **Sanford Guide to Antimicrobial Therapy 2004** David N. Gilbert, 2004 Dark Art of Blood Cultures Wm. Michael Dunne, Jr., Carey-Ann D. Burnham, 2017-09-01 In the clinical microbiology laboratory blood is a critical diagnostic sample that in the majority of cases is sterile or is it However when microbes gain access to and multiply in the bloodstream it can result in life threatening illness including sepsis Mortality rates from bloodstream infection and sepsis range from 25% to 80% killing millions of people annually Blood cultures are a vital technology used in the microbiology laboratory to isolate and identify microbes and predict their response to antimicrobial therapy The Dark Art of Blood Cultures edited by Wm Michael Dunne Jr and Carey Ann D Burnham surveys the entire field of blood culture technology providing valuable information about every phase of the process from drawing samples to culture methods to processing positive cultures The Dark Art of Blood Cultures is organized around several major topics History of blood culture methods Details the timeline of blood culture methods from manual through automated and describes the technological development of the leading automated blood culture systems Bactec BacT Alert and VersaTREK Manual and automated blood culture methods Critiques manual and automated methods for setting up blood cultures for adult and pediatric patients Detection of pathogens directly from blood specimens Describes currently available CE marked and FDA cleared commercial tests using both phenotypic and genotypic markers including their strengths and limitations The workflow of culturing blood Includes best practices from specimen collection to culture system verification processing positive cultures for microbe identification and antibiotic susceptibility determination along with the epidemiology of positive blood cultures and the value of postmortem blood cultures Microorganisms in the blood Examines the concept of a blood microbiome in healthy and diseased individuals The Dark Art of Blood Cultures is a resource that clinicians laboratorians lab directors and hospital administrators will find engaging and extremely useful If you are looking for online access to the latest clinical microbiology content please visit www wiley com learn clinmicronow The Resident's Guide to Ambulatory Care Michael B. 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