



# ULTIMATE LABORATORY CHECKLIST



## A PRACTICAL GUIDE FOR MEDICAL LAB PROFESSIONALS

Why is a Laboratory Checklist important? No matter how big or small your lab is, managing inventory is one of the most crucial things you can do to keep things running smoothly. Save time by ensuring you have all the equipment, supplies and reagents you need by utilizing our checklist right from the start.

## PRODUCT CHECKLIST

### Laboratory Supplies



- Aluminum Foil**
- Bags**
  - Autoclavable
  - Biohazard
  - Resealable
  - Sample
  - Specimen
  - Sterile
  - Stomacher
  - Trash
- Bench Protectors**
- Bottle-Top Dispensers**
- Brushes**
- Bulbs**
- Bunsen Burners**
- Carts**
  - Hand Trucks
- Cell Counters**
- Cell Scrapers**
- Cell Spreaders**
- Chairs/Stools**
- Clamps/Supports**
  - Holders
  - Single
  - Support Jacks
  - Thermometer
  - Three-Prong
  - Two-Prong
- Cleaners/Disinfectants**
- Crucibles**
- Cryogenic Freezing**
  - Boxes/Racks
  - Cell Dividers
  - Cryogenic Vials
  - Labels
  - Monitors
  - Shipping Containers
- Disinfecting Tools**
- Filtration**
  - Bottle-Top
  - Bunchner Funnels
  - Capsules
  - Concentrators
  - Dialysis
  - Filter Holders
  - Funnels
  - Manifolds
  - Membranes
  - Paper (qualitative, quantitative, glass fiber)
  - Plates
  - Syringe Filters
  - Syringeless Filters
  - Tangential Flow Systems
  - Thimbles
  - Vacuum Filter Flasks
- Handcare**
  - Alcohol Scrubs
  - Hand Soaps
  - Lotions





**Hemacytometers**

Disposable  
Reuseable

**Ice Buckets**

**Lables and Tapes**

Autoclave  
Cleanroom  
Labeling Systems  
Markers/Pens  
Sealing

**Liquid Handling**

Pipet Controllers

**Loops/Needles**

Contaminated Needle Sterilizers  
Disposable  
Reusable  
Turntable

**Microscope Supplies**

Cover Glasses/SlipsHistology  
Cassettes  
Immersion Oil  
Markers/Pens  
Mounting Media  
Slide Dispensers  
Slide Mailers  
Slides  
Stain Removers  
Staining Jars  
Stains  
Storage Boxes

**Mops**

Cleanroom  
General Use

**Mortars and Pestles**

**Notebooks**

Cleanroom  
General Use  
Pens

**Packing Supplies**

Bags  
Hazardous/Infectious  
Shipping Containers  
Mailers  
Shrink Wraps  
Storage Boxes

**Paraffin**

Embedding Media Dispenser

**Parafilm**

**Racks**

Centrifuge Tube  
Microcentrifuge Tube  
Petri Dish  
Test Tube

**Reservoirs**

Automation  
Multi-Well  
Single-Well

**Spatulas**

**Stainless Steel**

Beakers  
Buckets  
Scoops  
Trays

**Stir Bars**

Retriever  
Stiring Bar Garage

**Storage/Transport**

Mailers  
Shippers  
Temperature Assurance

**Swabs**

**Thermometers**

Dial  
Digital  
Glass  
Humidity  
Infrared  
Mercury  
Non-Mercury  
Spirit-Filled

**Timers**

Alarms  
Clocks  
Digital  
Memory  
Stopwatches

**Tissue Wipes**

**Trash Bags and Liners**

**Tubing**

PVC  
Silicone

**Weighing Supplies**

Boats  
Dishes  
Paper  
Scoops  
Spoons

**Wipes**

Alcohol  
General Use





# PRODUCT CHECKLIST

## Equipment



- Anaerobic Systems**
  - Chambers
  - Indicators
  - Jars
- Anesthesia Equipment**
- Autoclaves/Sterilizers**
  - Portable
  - Top-Loading
- Blenders**
- Cell Counters**
- Centrifuges**
  - Benchtop
  - Centrifugal Concentrators
  - Clinical
  - Floor/Ultra
  - Micro/Mini
  - Refrigerated
  - Rotors and Adapters
- Circulators/Chillers**
  - Benchtop
  - Floor
  - Heated and Refrigerated
  - Immersion
  - Refrigerated
- Cryogenic Storage**
  - Auto-Fill Systems
  - Dewar Flasks
  - Laptop Coolers
  - Storage Tanks
- Dry Block Heaters**
- Electrophoresis Systems**
- Electroporation**
  - Cuvettes
  - Equipment
- Environmental Testing Chambers**
- Freeze Dry Systems**
- Glassware Washers**
  - Large Capacity
  - Mobile
  - Undercounter
- Homogenizers**
  - Bead Mill
  - Handheld
- Hot Plates and Stirrers**
  - Hot Plate Stirrers
  - Magnetic
  - Magnetic Hot Plate
  - Overhead
  - Stir Bars
- Imaging Systems**
- Incubators**
  - BOD/Refrigerated
  - CO<sub>2</sub>
  - General Purpose
  - Hybridization
  - Shaking
  - Water-Jacketed
- Life Science**
  - Genomics
  - qPCR Thermal Cyclers
- Membrane Dispensers**
- Microtiter**
  - Shakers
- Ovens**
  - Cleanroom
  - Forced Air
  - General Purpose
  - Gravity Convection
  - Hybridization
  - Safety
  - Vacuum
- Power Supplies**
- Pumps**
  - Peristaltic
  - Syringeless
  - Tubing
  - Vacuum
- Refrigerators/Freezers**
  - Blood Bank
  - Chest
  - Chromatography
  - Compact
- Explosion-Proof**
  - Flammable Storage
  - General Purpose
  - Laboratory Pharmacy
  - Ultra-Low Temperature
  - Undercounter
- Rotary Evaporators**
  - Replacement Glassware
- Shakers**
  - Benchtop
  - Incubating
  - Mini
  - Nutating
  - Orbital
  - Rocking
  - Rotating
- Tissue Grinders**
- Transilluminators**





# LABORATORY CHECKLIST

## Clinical



- Blood Bank**
  - Blood Typing Tubes, Prelabeled
  - Centrifuges
  - Copper Sulfate Solutions
  - Crossmatch Racks
  - Dilution Tubes
  - Disposable Culter Tubers
  - Disposable Pasteur Pipets
  - Disposable Transfer Pipets
  - Dry Bath/Block Heaters
  - Exam Gloves
  - Forceps
  - Labels/Labeling Systems
  - Light Boxes
  - Light Meters
  - Mixers
  - Pipet Tips (Robotic)
  - Pipets
  - Plasma Thawers/Freezers
  - Profile Trays (High/Low)
  - Reagents
  - Refrigerators
  - Saline
  - Shipping and Transport
  - Storage
  - Temperature Monitoring
  - Thermometers
  - Viewers
  - Washers
- Clinical Centrifuges**
  - Blood Bank
  - Coagulation/Hematology
  - Cytology
  - Horizontal
  - Micro/Mini
  - Serofuges
- Clinical Chemistry**
  - Chemistry Analyzers
  - Chromatography
  - Controls
  - Drug Abuse Testing
  - Drugs of Abuse Collection Kits
  - Electrophoresis Products
  - Gases and Gas Management
  - Glucometers
  - Glucose Beverages
  - Glucose Testing
- Immunoassays**
  - Instrument Calibrators, Solutions and Accessories
  - Pipet Tips
  - Pipets
  - Pipettors
  - Reagents
  - Serum Filters
- Coagulation**
  - Bleeding Time Devices
  - Blood Sampling Devices
  - Fibrometer Supplies
- General Safety**
  - Air Monitors
  - Autoclavable Bags
  - Bottle-Top Dispensers
  - Broken Glass Disposal Cartons
  - Eyewear
  - Formalin Spill Kits
  - Gloves
  - Lab Coats
- Hematology**
  - Blood Dispensers
  - Blood Mixers
  - Calibrators, Controls and Reagents
  - Cell Counters
  - Centrifuges
  - ESR Testing
  - Hemocytometer Cover Glasses
  - Hemocytometers, Disposable
  - Hemocytometers, Reusable
  - Microhematocrit Supplies
  - Saline
  - Sickle Cell Testing
  - Slides
  - Stains and Dyes
- Immunology/Serology**
  - Diagnostic Test Kits
  - Disposable Tubes
  - Plates
  - RPR Card Readers
  - Sample Collection
  - Tubes
- Laboratory Chemicals, Solvents, Stains, Dyes and Fixatives**
- Microbiology**
  - Anaerobic Incubation Systems
  - Antibiotics and Antimicrobials
  - Cell Counters
  - Collection and Transport
  - Dehydrated Media
  - Diagnostic Test Kits
  - Hemocytometers, Disposable
  - Hemocytometers, Reusable
  - Identification Reagents and Additives
  - Microscope Slides
  - Prepared Media
  - Quality Control
  - Rapid Tests
  - Slides
  - Stains
  - Stool Collection and Parasitology
  - Susceptibility Media
- Molecular Diagnostics**
  - Amplification
  - Autoradiography
  - Biohazard Disposal
  - Chemiluminescence
  - Electrophoresis
  - Enzymes
  - Instruments
  - Media Reagents
  - Pipet Tips
  - Pipets
  - Pipettors
  - Protein Chemistry
  - RNA Purification
  - Tissue Culture
  - Ultraviolet
- Phlebotomy/Specimen Collection**
  - Blood Collection Sets
  - Blood Collection Tubes
  - Blood Drawing Chairs
  - Dressings
  - Gloves
  - IV Supplies
  - Lancets
  - Luer Adapters





- Needle/Tube Holders
- Needles and Syringes
- Organizers
- Pathology Supplies
- Serum/Plasma Filters
- Sharps Containers
- Site Preparation
- Specimen Cups
- Tourniquets
- Trays
- Tube Closures

**Surgical Supplies**

- Bandages
- Gauze
- Gloves
- IV Solutions
- Sterilization Pouches
- Surgical Instruments
- Sutures

**Urinalysis**

- Centrifuges
- Controls
- Hydrometers
- Midstream Collection
- Kits
- Refractometers
- Specimen Containers
- Stains
- Strainers
- Test Strips
- Transfer Pipets
- Tubes
- Urinalysis Systems
- Urinometers





# LABORATORY CHECKLIST

## Safety & Industrial Supplies



### SAFETY SUPPLIES

- Automated External Defibrillators (AEDs)
- Biohazardous Waste Containers
- Bottle Carriers
- Bottle-Top Dispensers
- Broken Glass Disposal Cartons
- Chemical-Resistant Apparel
- Chemical/Biological Storage Cabinets
- Environmental Monitoring and Gas Detection Products
- Ergonomic Floor Mats and Shoe Inserts
- Eye Protection and Goggles
- Eye Wash Station and Safety Showers
- First Aid Kits
- Gas Regulators
- Gloves
  - Chemical-Resistant
  - Cut-Resistant
  - Disposable Exam
  - Temperature-Resistant
- Glove Box Holders
- Glove Liners
- Hand Soap
- Hearing Protection
- Lab Coats
- Radiation Protection Products
- Respirators
  - Disposable
  - Powered-Air
  - Reusable
- Safety Cabinets
- Safety Cans
- Safety Signs

- Sharps Containers

- Sleeves

- Sorbents/Spill Kits/Mats

### INDUSTRIAL SUPPLIES

- Adhesives, Sealants and Tape
- Batteries
- Chemicals, Lubricants and Paints
- Electrical Lighting
- General Office Supplies
- Hand Tools
- Janitorial and Cleaning Supplies
- Material Handling and Storage
- Power Tools
- Welding Supplies





# LABORATORY CHECKLIST

## ▶ Stains & Reagents



### HEMATOLOGY

- Bone Marrow Stain Kit for Iron
- CSF Diluting Fluid
- Eosinophil Diluting Fluid and Stain
- Fecal Leukocyte Stain
- Fecal Stain Kit
- Giemsa Stain
- Heinz Body Stain
- Malarial Quick Stain Kit
- Malarial Wright Giemsa Stain Kit
- May-Grunwald Stain Kit
- Methylene Blue Solutions
- Platelet Diluting Fluid
- Prussian Blue Stain Kit
- RBC Diluting Fluid
- Reticulocyte Stain
- Semen Analysis Kit
- Semen Diluting Fluid
- Siderocyte Stain Kit
- Sudan Black B Stain Kit
- Sudan IV Stain Kit
- Urinary Sediment Stain
- WBC Diluting Fluid
- Wright, Wright Giemsa, and May-Grunwald Geimsa Stains**
  - Dip Stain Kit
  - H-Pack (for Ames "Hema-Tek" Slide Stainers)
  - H-Pack II (for Ames "Hema-Tek" Slide Stainers)
  - Manual Method Stain
  - Methanol Fixative
  - Quick Staub Kit
  - Traxstain for Automated Dip Stainers

### MICROBIOLOGY

- Acid-Fast Stain Kit
- Albert's Stain Solution Kit
- Calcofluor White Stain
- Capsule Stain Kit
- Chlamydial Stain Kit
- Cryptosporidium Stain Kit
- Eosinophil Stain Kit
- Fluorescent Stain Kit
- Gram Stain Kit for Different Staining of Bacteria
- Gram-Weigart Stain Kit
- Lactophenol Cotton Blue
- Leifson's Bacterial Flagella Stain Kit
- Lugol's Iodine Solution
- Macchiavello Stain Kit
- Mayer's Mucicarmine Stain Kit
- Methanol Fixative
- MIF Stain and Fixative Kit
- Modified Trichrome Stain
- Pneumosystis Carinii Stain Kit
- PPLO Stain
- Spore Stain Kit
- Sputum Digestant
- Trichrome Stain Kit with PVA Solution
- Trichrome Stain Kit with PVA Solution and Schaudinn Fixative
- Ziehl-Neelsen Stain Kit





## CYTOLOGY-HISTOLOGY

- Bennhold's Congo Red Stain Kit
- Berg's Method Stain Kit
- Bismarck Brown with Methyl Green Stain Kit
- Diazo Method Stain Kit
- Eosin Phloxine Solution
- Eosin Y Staining Solutions
- Fite's Method Stain Kit
- Gill-Hematoxylin Stain Kit
- Gomori's Method for Iron in Tissue
- Gomori's Trichrome Stain
- Gram Stain Kit
- Gridley's Method Stain Kit
- Harris' Alum Hematoxylin Stain
- Heidenhain's Acid Hematoxylin Stain
- Herxheimer's Sudan IV Stain Kit
- Jenner-Giemsa Stain Kit
- Lendrum's Stain Kit
- Maldonado's Method Stain Kit
- Mallory's Acid Hematoxylin Stain
- Mallory's Aniline Blue Collagen Stain Kit
- Mayer's Acid Alum Hematoxylin Stain
- Mayer's Mucicarmine Stain (Kit)
- Methyl Green with Pyronin Stain
- Nile Blue A Stain Stain
- Nuclear Fast Red Stain
- Page-Green Method Stain Kit
- Papanicolaou Staining Solutions
- Phloxine B Counterstain
- Schiff Reagent
- Shorr-Single Differential Stain
- Stat Stain for Frozen Sections
- Sudan Black B Stain Kit
- Verhoeff's Elastic Tissue Stain Kit
- Weigert's Iron Hematoxylin Stain Kit

## MISCELLANEOUS SOLUTIONS

- 0.067M Phosphate Buffer
- 2.9% Sodium Citrate
- 4% Sodium Hydroxide
- Acetic Acid
- Acetone
- Buffered Neutral Formalin
- Ethanol
- Formic Acid
- Hydrochloric Acid
- Menthol
- Potassium Hydroxide
- Sodium Citrate
- Sodium Hydroxide
- Sulfosalicylic Acid
- Sulfuric Acid

