



replenish.
renew.
restart.

Essential Lab Supplies and PPE Checklist

Return to work confidently with the lab supplies and PPE you need to help you stay safe and productive. Whether you're just getting started again or continuing to pursue highly relevant research, we look forward to serving you.

Life Sciences

Molecular Biology Reagents and Kits

- DNA reagents
- Nucleic acid labelling and detection
- RNA reagents

PCR

- Primers and oligos

Polymerases

- Direct PCR
- High fidelity
- Hot start
- Long PCR
- Standard Taq

Thermal Cycler

- 24 well
- 96 well
- 384 well
- Automated
- Multiblock

Electrophoresis

- Agarose
- DNA ladders
- Horizontal gel system
- Loading buffer

PCR Plastics

- 96-well plates
- 384-well plates
- Barcoded or custom plates
- Individual tubes
- PCR tube strips
- Strip tubes
- Thin-wall PCR tubes

Other

- Automated purification instrument
- DNA and RNA purification kits
- dNTPs
- Dye cleanup kit
- Handheld magnetic separation device
- Master mixes
- PCR cleanup kit
- PCR hood
- Reverse transcriptase (RT) kits

Enzymes

- Modifying enzymes
- Restriction enzyme buffers
- Restriction enzymes

qPCR and Real-Time PCR

- dNTPs
- qPCR plates and tubes
- qPCR polymerase
- Reverse transcriptase
- Sealing film

Real-Time Thermal Cycler

- 24 well
- 96 well
- 384 well
- Automated
- Multiblock

Cell Culture and Analysis

Collection

- Antibiotics
- Biological safety cabinet
- Cell culture media
- Cell culture serum
 - Heat-inactivated FBS
 - Specialty FBS
 - Standard FBS
- Cell culture water
- Cell scrapers and lifters
- Classical media
- CO₂ incubator
- Conical tubes
- Cryogenic vials
- Cryostorage system
- Dissociation reagents
- Extracellular matrices
- Incubated shaker
- Laminar flow hood
- Roller bottles
- Serological pipettes
- Specialty media (stem cell, neurobiology, etc.)
- Spinner flasks
- Supplements
- Tissue culture flasks and plates
- Trypsin

Preparation

- Biological safety cabinet
- Cell stains (live and dead)
- Laminar flow hood
- Microplate washer
- Multi-well assay plates
- Permeable microplate support inserts
- Pipettes and tips
- Tissue culture flasks
- Trypan blue

Analysis

- Cell counter
- Cell signalling and analysis kits (apoptosis, kinase phosphatase)
- Microplate reader (luminescent, fluorescent)
- Microscope (inverted, fluorescent)
- Microscope slides
- Primary and secondary antibodies
- Spectrophotometer
- Stains/dyes

Protein Electrophoresis

- Acrylamide
- Concentrators
- Coomassie stain
- Dialysis tubing and cartridges
- Extraction kits
- Power supply
- Precast gels
- Protein ladders
- Running buffer (or components)
- Sample buffers
- Silver stain
- TEMED
- UV-Vis unit
- Vertical gel system

Microbiology

- Antibiotics
- Competent cells
- Petri dishes
- Shaker flasks

Western Blotting

- Automated staining/antibody unit
- Benchtop shaker
- Blocking solution
- Chemiluminescent solution
- Film
- Forceps
- Imager
- Methanol
- Primary and secondary antibodies
- Staining boxes
- Transfer buffer (or components)
- Transfer membrane
- Transfer unit

Electrophoresis Reagents

- Electrophoresis gels
- Electrophoresis markers
- Gel stains and dyes
- Loading buffers (nucleic acid EPP)

Chemicals

Air-Sensitive and Anhydrous Solvents

- Alkyl lithium reagents
- Anhydrous solvents
- NMR solvents

Anhydrous Chemicals

- Drying agent
- Salts

Buffers

- General purpose buffers
- Life Science buffers
- pH reference buffers
- Saline based buffers
- Concentrated buffers
- Dry blend buffer packs

Chemicals for Chromatography

- Analytical standards
- Certified ACS solvents
- Derivatization agents
- Flush solutions
- GC solvents
- HPLC solvents
- LC/MS solvents
- Solvent blends and additives
- UHPLC/MS solvents

Histology Reagents

- Dyes
- Paraffin
- Stains
- Xylene

Analytical Chemistry

- Acids
- Analytical standards
- Bases
- Buffers
- Elemental analysis reagents
- Karl Fischer titration reagents & standards
- NMR solvents
- Organic and inorganic salts
- pH testing reagents
- Standard volumetric

Organic Synthesis

- Building blocks
- Catalysts ligands
- Drying reagents
- Grignard reagents
- Organometallics
- Oxidation reagents
- Precious metal catalysts and pre-catalysts
- Silica Gel
- Solvents

Electrochemistry

General Electrochemistry

- Buffers
- Electrodes
- Meters
- Solutions
- Standards

Equipment

General Equipment

- Autoclaves
- Biosafety cabinets
- Centrifuges
- Furniture
- Glassware
- Hotplates and stirrers
- Incubators
- Microscopes
- OHS stirrer
- Ovens
- Pumps (vacuum and peristaltic)
- Rockers, mixers, and shakers
- ULT Refrigerators and freezers
- Vortex mixer
- Washers
- Water purification systems

Maintenance

- Calibration services
- Instrument monitoring

Safety

Personal Protective Equipment

Apparel

- Chemical-resistant sleeve covers
- CR/FR aprons
- Gloves
- Lab coats

Eye and Face Protection

- Disposable face shields
- Goggles dispenser
- OTG goggles
- Reusable face shields
- Safety glasses

Respiratory Protection

- Disposable respirator
- Half-face respirator
- Protective disposable face masks

Social Distancing Aids

- "Caution: Face Mask Required" sign
- "Caution: Gloves Required" sign
- "Please Keep About 6 Feet (2 m) Distance" floor marking tape
- "Prevent the Spread of Coronavirus (COVID-19)" sign
- "Social Distancing Maintain About 6 Feet (2 m) Distance" sign
- "Thank You for Practicing Social Distancing" floor sign
- "Thank You for Practicing Social Distancing" sign
- "Warning Coronavirus COVID-19 Quarantine Area Keep Out" sign
- "Warning Quarantine Area Keep Out" sign
- Mobile partition shield panels
- Shared desk divider mobile partition shield panels
- Warning chains
- Warning systems

Hand Sanitation

- Biohazard waste can
- Floor stand with dispenser
- FM-approved biohazard waste container replacement bags
- Hand sanitiser
- Touch-free hand sanitiser dispenser
- "Please Use Hand Sanitiser Before Entering" COVID-19 sign
- "Please Wash Hands for 20 Seconds" COVID-19 sign

Disinfection Products

- Cut-end cotton mops
- Foam blade squeegee
- High-performance mopping systems
- Looped-end mop
- Professional surface disinfectant
- Wet-mop handles

Temperature Checks

- Infrared forehead thermometer
- Temperature monitoring kiosk

Other Safety Products

- Anti-fatigue and slip matting
- Eyewash station
- First aid/burn kit
- Flammable storage cabinets and chemical storage
- Label maker
- Sharps and glassware disposal
- Spill control
- Training
- Trolleys

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