

Laboratory SOPs in Internet – Index

Content

- 1. General laboratory procedures** (Last Login: 02/09/2009)
- 2. Laboratory Safety** (Last Login: 02/10/2009)
- 3. Biochemical laboratory procedures** (Last Login: 25/08/2009)
- 4. Blood bank procedures** (Last Login: 02/09/2009)
- 5. Chemical laboratory procedures** (Last Login: 04/10/2009)
- 6. Microbiology laboratory procedures** (Last Login: 04/10/2009)
- 7. Physical laboratory procedures** (Last Login: 02.09.2009)
- 8. Specialized laboratory procedures** (Last Login: 25.08.2009)

1. General laboratory procedures ((Last Login: 02/09/2009))

Procedure	SOPs properties
Preparation of SOPs	<p>1.1. Title: STANDARD OPERATING PROCEDURES Prepared by: WHO Polio laboratory manual, 2004 (who. Polioliab) Shortcut to the SOP: http://www.who.int/vaccines/en/polioliab/webhelp/Chapter_03/3_2_Standard_operating_procedures.htm Comments: WHO recommendations for laboratory SOPs preparation</p>
	<p>1.2. Title: STANDARD OPERATING PROCEDURES Prepared by: Food and Agriculture Organization (UN) (http://www.fao.org/) Shortcut to the SOP: http://www.fao.org/docrep/W7295E/w7295e04.htm Comments: Administration of SOPs and laboratory notebooks</p>
	<p>1.3. Title: GUIDANCE FOR PREPARING STANDARD OPERATING PROCEDURES (SOPs) Prepared by: U.S. Environmental Protection Agency (EPA) (http://www.epa.gov/) Shortcut to the SOP: http://www.epa.gov/quality/qs-docs/g6-final.pdf Comments: EPA recommendations for laboratory SOPs preparation with 3 SOPs - examples</p>
Quality Control	<p>1.4. Title: REAGENT AND TEST KITS QUALITY CONTROL Prepared by: Mount Sinai Hospital, Canada (http://www.mountsinai.on.ca/) Shortcut to the SOP: http://microbiology.mtsinai.on.ca/manual/qc/qc08.pdf Comments: Registration and frequency of testing</p>
	<p>1.5. Title: QUALITY CONTROL REVIEW Prepared by: Mount Sinai Hospital, Canada (http://www.mountsinai.on.ca/) Shortcut to the SOP: http://microbiology.mtsinai.on.ca/manual/qc/qc11.pdf Comments: Out-of range results review</p>
	<p>1.6. Title: RETENTION SAMPLES – LABORATORY Prepared by: GMP-Quality-Up. Online Resource of Pharmaceutical QA Procedures (http://www.gmpqualityup.com/index.html) Shortcut to the SOP: http://www.gmpqualityup.com/sample/LAB-045_sample.pdf Comments: Retention of Finished Good and Raw Material, tested by the Laboratory</p>

1. General laboratory procedures (continue)

Procedure	SOPs properties
Equipment and Chemicals use	<p>1.7. Title: EQUIPMENT QC & MAINTENANCE Prepared by: Mount Sinai Hospital, Canada (http://www.mountsinai.on.ca/) Shortcut to the SOP: http://microbiology.mtsinai.on.ca/manual/qc/qc09.pdf Comments: Refrigerators, Incubators, Heating Blocks, Centrifuges and other</p>
	<p>1.8. Title: GENERAL LABORATORY PROCEDURES, EQUIPMENT USE Prepared by: University of Maryland, Baltimore. Department of biological sciences (http://www.umbc.edu/biosci/grad/degrees.php) Shortcut to the SOP: http://userpages.umbc.edu/~jwolf/method2d.htm Comments: Operating instructions: pH meter, Autoclave, Spectrophotometer</p>
Results registration and reporting procedures	<p>1.9. Title: REPORTING PROCEDURES Prepared by: Dartmouth-Hitchcock Medical Center (http://www.labhandbook.hitchcock.org/) Shortcut to the SOP: http://labhandbook.hitchcock.org/reporting.html Comments: Medical laboratory reporting procedure</p>
	<p>1.10. Title: CONTROL AND USE OF LABORATORY NOTEBOOKS Prepared by: West Coast Analytical Service (www.wcaslab.com) Shortcut to the SOP: http://www.wcaslab.com/qa/sop/2260v2.PDF Comments: Using logbooks for the recording of laboratory raw data</p>
	<p>1.11. Title: PROCEDURE FOR LOT RELEASE OF BIOLOGICAL PRODUCTS Prepared by: National Control Laboratory, Pakistan (www.dcomoh.gov.pk) Shortcut to the SOP: http://www.dcomoh.gov.pk/downloads/sopbio.doc Comments: Method to obtain lot release certificate from Control laboratory</p>

2. Laboratory Safety (Last Login: 02/10/2009)

Procedure	SOPs properties
General safety	<p>2.1. Title: GENERAL LABORATORY SAFETY Prepared by: University of Maryland, Environmental safety (http://www.des.umd.edu) Shortcut to the SOP: http://www.des.umd.edu/ls/sop/GeneralLabSOP.pdf Comments: Hazard identification, emergency equipment, employee training and other</p>
	<p>2.2. Title: STANDARD OPERATING PROCEDURE EXAMPLES AND RESOURCES Prepared by: University of Maryland, Environmental safety (http://www.des.umd.edu) Shortcut to the SOP: http://www.des.umd.edu/ls/sop/ Comments: Links to about 40 SOPs on the internet from different Universities</p>
Biohazardous materials	<p>2.3. Title: SAMPLE BIOLOGICAL MATERIAL STANDARD OPERATING PROCEDURE TEMPLATE Prepared by: Medical college of Wisconsin, USA (www.mcw.edu) Shortcut to the SOP: http://www.mcw.edu/FileLibrary/Groups/InfoScopeResearchResources/Hazardous_Agents_Forms/GuidanceDocs/SOP_Template.doc Comments: Safety SOP Sample Template</p>
	<p>2.4. Title: STANDARD OPERATING PROCEDURE FOR WORKING WITH BIOHAZARDOUS MATERIALS ... Prepared by: University of Guelph, Ontario, Canada (http://www.uoguelph.ca/hhns) Shortcut to the SOP: http://www.uoguelph.ca/hhns/pdf/BiohazardousMaterialsSOP.pdf Comments: Protective equipment, decontamination procedures</p>

3. Biochemical laboratory procedures (Last Login: 25/08/2009)

Procedure	SOPs properties
Specimens collection and transport	<p>3.1. Title: SPECIMEN COLLECTION Prepared by: Dartmouth-Hitchcock Medical Center (http://www.labhandbook.hitchcock.org/) Shortcut to the SOP: http://labhandbook.hitchcock.org/collection.html Comments: Medical specimens collection, phlebotomy procedures</p>
	<p>3.2. Title: ORDERING, LABELING & REGISTRATIONS Prepared by: Dartmouth-Hitchcock Medical Center (http://www.labhandbook.hitchcock.org/) Shortcut to the SOP: http://labhandbook.hitchcock.org/ordering.html Comments: Medical specimens ordering procedure</p>
Hematology tests	<p>3.3. Title: ERYTHROCYTE SEDIMENTATION RATE (ESR) WESTERGREN METHOD Prepared by: The Public Health Care laboratory (http://www.phclab.com) Shortcut to the SOP: http://www.phclab.com/News/Newexamplesop.htm Comments: Principle of the Test, Clinical Significance, Test Procedure</p>

4. Blood bank procedures (Last Login: 02/09/2009)

Procedure	SOPs properties
Medical center blood bank	<p>4.1. Title: TRANSFUSION MEDICINE SERVICE Prepared by: Dartmouth-Hitchcock Medical Center (http://www.labhandbook.hitchcock.org/) Shortcut to the SOP: http://labhandbook.hitchcock.org/bloodBank.html Comments: Forms and labeling, ordering procedures</p>
	<p>4.2. Title: CRITERIA OF SAMPLES FOR COMPATIBILITY TESTING Prepared by: Brownwood Regional Medical Center (http://www.brmc-cares.com/) Shortcut to the SOP: http://www.brmc-cares.com/Documents/Samples%20for%20compatibility%20testing.pdf Comments: Blood bank laboratory - sampling, tube labeling and storage of specimens</p>

5. Chemical laboratory procedures (Last Login: 04/10/2009)

Procedure	SOPs properties
Atomic absorption, Spectrophotometry	<p>5.1. Title: METALS ANALYSIS BY ATOMIC ABSORPTION SPECTROPHOTOMETRY</p> <p>Prepared by: California Environmental Protection Agency (http://www.arb.ca.gov/homepage.htm)</p> <p>Shortcut to the SOP: http://www.arb.ca.gov/aaqm/sop/mld005_fin.pdf</p> <p>Comments: Metals analysis</p>
Lead (Pb)	<p>5.2. Title: STANDARD OPERATING PROCEDURE FOR DETERMINING LEAD (Pb) AND ITS AVAILABILITY IN CHILDREN'S METAL JEWELRY EXAMPLES AND RESOURCES</p> <p>Prepared by: USA, Consumer Product Safety Commission, Division of Chemistry (http://www.cpsc.gov/BUSINFO/pbjeweltest)</p> <p>Shortcut to the SOP: http://www.cpsc.gov/BUSINFO/pbjeweltest.pdf</p> <p>Comments: Two test methodologies - the first - to determine the total lead content, the second methodology is an acid extraction test.</p>
Gas Chromatography	<p>5.3. Title: OPERATION OF GC</p> <p>Prepared by: Colorado State University (http://www.cvms.colostate.edu)</p> <p>Shortcut to the SOP: http://www.cvms.colostate.edu/mip/tb/pdf/SP045.pdf</p> <p>Comments: Protocol and Notes</p>
	<p>5.4. Title: STANDARD OPERATING PROCEDURE FOR DETERMINATION OF AROMATIC AND HALOGENATED COMPOUNDS IN AMBIENT AIR</p> <p>Prepared by: California Environmental Protection Agency (http://www.arb.ca.gov/homepage.htm)</p> <p>Shortcut to the SOP: http://www.arb.ca.gov/aaqm/sop/sop_058.pdf</p> <p>Comments: Samples preparation and procedure</p>
pH	<p>5.5. Title: pH</p> <p>Prepared by: Tribal Environmental Protection Agency (http://www.tepa29.org)</p> <p>Shortcut to the SOP: http://www.tepa29.org/About%20Lab/SOP/Physical%20Properties%20Procedures/PP%200001%20-%20pH%20_VWR%20Symphony_%20-%20Version%201.pdf</p> <p>Comments: Applicable to the analysis of drinking, surface and saline waters, domestic and industrial wastes and acid rain (atmospheric deposition).</p>

5. Chemical laboratory procedures (continue)

Procedure	SOPs properties
Alkalinity, Ammonia, Kjeldahl nitrogen at other	<p>5.6. Title: STANDARD OPERATING PROCEDURES LIST Prepared by: University of Massachusetts Amherst (http://googlebox.oit.umass.edu/search?q=sop&sa=Go&site=default_collection&client=default_frontend&proxystylesheet=default_frontend&output=xml_no_dtd) Shortcut to the SOP: http://www.umass.edu/tei/mwwp/sop.html Comments: SOPs for 19 parameters</p>

6. Microbiology laboratory procedures (Last Login: 04/10/2009)

Procedure	SOPs properties
General	<p>6.1. Title: BLOOD SAFETY AND CLINICAL TECHNOLOGY. GUIDELINES ON STANDARD OPERATING PROCEDURES FOR MIKROBIOLOGY Prepared by: WHO (http://www.searo.who.int/EN) Shortcut to the SOP: http://www.searo.who.int/EN/Section10/Section17/Section53/Section482.htm Comments: 27 SOPs in sections: General, procedures for 13 specific diseases, samples collection and transportation</p>
Educational laboratory	<p>6.2. Title: BIOL 230 MICROBIOLOGY LAB MANUAL Prepared by: Dr. G. Kaiser's microbiology course. College of Baltimore County (http://student.ccbcmd.edu/~gkaiser/goshp.html) Shortcut to the SOP: http://student.ccbcmd.edu/courses/bio141/labmanua/toc.html Comments: Laboratory exercises, procedures and results interpretation</p>
Specimens collection and transport	<p>6.3. Title: MICROBIOLOGY – GENERAL GUIDELINES Prepared by: Dartmouth-Hitchcock Medical Center http://www.labhandbook.hitchcock.org/ Shortcut to the SOP: http://labhandbook.hitchcock.org/microbiology.html Comments: Medical specimens</p>
	<p>6.4. Title: COLLECTION OF WADEABLE AND NONWADEABLE SURFACE WATER AND MARINE WATER FOR MICROBIOLOGICAL EXAMINATION Prepared by: Guam Environmental Protection Agency (http://node.guamepa.net/programs) Shortcut to the SOP: http://node.guamepa.net/programs/emas/A3.SOP-FieldBactiExam.pdf Comments: Water collection for microbiological examination</p>

7. Microbiology laboratory procedures (continue)

Procedure	SOPs properties
Quality Control	<p>6.5. Title: QUALITY CONTROL MANUAL Prepared by: Mount Sinai Hospital, Canada (http://www.mountsinai.on.ca/) Shortcut to the SOP: http://microbiology.mtsinai.on.ca/manual/qc/mi_qc.pdf Comments: Isolates for Quality Control. Control of culture media, sterility and methods of testing</p>
	<p>6.6. Title: VITEK QUALITY CONTROL Prepared by: Mount Sinai Hospital, Canada (http://www.mountsinai.on.ca/) Shortcut to the SOP: http://microbiology.mtsinai.on.ca/manual/qc/qc04.pdf Comments: Quality Control set up for VITEK BENCH</p>
Microorganisms staining	<p>6.7. Title: BIOL 230 MICROBIOLOGY LAB MANUAL Prepared by: Dr. G. Kaiser's microbiology course. College of Baltimore County (http://student.ccbcmd.edu/~gkaiser/goshp.html) Shortcut to the SOP: http://student.ccbcmd.edu/courses/bio141/labmanua/toc.html Comments: Direct and indirect, Gram and Capsule, Endospore stain</p>
Microorganisms isolation and identification	<p>6.8. Title: BIOL 230 MICROBIOLOGY LAB MANUAL Prepared by: Dr. G. Kaiser's microbiology course. College of Baltimore County (http://student.ccbcmd.edu/~gkaiser/goshp.html) Shortcut to the SOP: http://student.ccbcmd.edu/courses/bio141/labmanua/toc.html Comments: Enterobacteriaceae, pseudomonas, streptococci, staphylococci, neisseriae, mycobacteria, fungi</p>
HIV and different opportunistic infections in HIV patients	<p>6.9. Title: GUIDELINES ON STANDARD OPERATING PROCEDURES OR LABORATORY DIAGNOSIS OF HIV – OPPORTUNISTIC INFECTIONS Prepared by: WHO Guidelines, 2001 (http://www.searo.who.int/LinkFiles/Publications_guidehivopp) Shortcut to the SOP: http://www.searo.who.int/LinkFiles/Publications_guidehivopp.pdf Comments: HIV, Viral, Tuberculosis, Bacterial, Fungal and Parasitic infections</p>
Tuberculosis	<p>6.10. Title: BLOOD SAFETY AND CLINICAL TECHNOLOGY. GUIDELINES ON STANDARD OPERATING PROCEDURES FOR MIKROBIOLOGY Prepared by: WHO (http://www.searo.who.int/EN) Shortcut to the SOP: http://www.searo.who.int/EN/Section10/Section17/Section53/Section482_1799.htm Comments: Samples collection, staining, examination</p>

6. Microbiology laboratory procedures (continue)

Procedure	SOPs properties
Plasmid analysis	<p>6.11. Title: PLASMID PROFILE ANALYSIS BY THE METHOD OF KADO & LIU (K&L)</p> <p>Prepared by: Salmonella referency laboratory (http://www.pulsenet-europe.org)</p> <p>Shortcut to the SOP: http://www.google.co.il/search?hl=iw&source=hp&q=PLASMID+PROFILE+ANALYSIS+BY+THE+METHOD+OF&btnG=%D7%97%D7%99%D7%A4%D7%95%D7%A9+%D7%91-Google&meta=&aq=null&oq=</p> <p>Comments: Adapted from Kado & Liu (1981), <i>J.Bact.</i> 145:1365-1373.</p>

7. Physical laboratory procedures (Last Login: 02.09.2009)

Procedure	SOPs properties
Educational laboratory	<p>7.1. Title: Experiments In Physics: Fifth Edition</p> <p>Prepared by: Maureen O'Hallorn, Rowan University, New Jersey, USA. (http://www.rowan.edu/colleges)</p> <p>Shortcut to the SOP: http://www.rowan.edu/colleges/lasold/PhysicsAndAstronomy/LabManual/labs/TorquesAndCoG.pdf</p> <p>Comments: Experiments procedures: motion, thermodynamics, electricity, magnetism, optics</p>

8. Specialized laboratory procedures (Last Login: 25.08.2009)

Procedure	SOPs properties
Histology and micro-technique	<p>8.1. Title: LAB MANUAL Prepared by: Smith College Northampton, Massachusetts. Department of biological sciences (http://131.229.114.77/Bio304.html) Shortcut to the SOP: http://131.229.114.77/histo/Manual.pdf Comments: Microtechnique, staining protocols and slides examination</p>
Molecular and Cell biology	<p>8.2. Title: BEGINNING MOLECULAR BIOLOGY LABORATORY MANUAL Prepared by: University of Maryland, Baltimore. Department of biological sciences (http://www.umbc.edu/biosci/grad/degrees.php) Shortcut to the SOP: http://www.research.umbc.edu/~jwolf/method1.htm Comments: Molecular (DNA) and Tissue Culture</p>
	<p>8.3. Title: Bowtell labmanual v 31.8.95 Prepared by: USDA United States Department of agriculture (http://www.usda.gov/wps/portal/usdahome) Shortcut to the SOP: http://wheat.pw.usda.gov/~lazo/methods/au/molbiol.html Comments: DNA, RNA isolation and analysis</p>
Forensic chemistry	<p>8.4. Title: FORENSIC CHEMISTRY LABORATORY MANUAL Prepared by: Oberlin College, Forensic chemistry laboratory (http://www.oberlin.edu/colrelat/facultyexperts/thompson.html) Shortcut to the SOP: http://www.asdlib.org/onlineArticles/elabware/thompson/Home1.html Comments: Alcohol, arson, drugs, explosives, fabric, glass</p>

8. Specialized laboratory procedures (continue)

Procedure	SOPs properties
Plants laboratory	<p>8.5. Title: STANDARD OPERATING PROCEDURE FOR PLANT DIAGNOSTIC LABORATORIES Prepared by: National Plant Diagnostic Network, USA . (http://www.npdn.org/DesktopDefault.aspx) Shortcut to the SOP: http://www.npdn.org/Library/ViewDocument.pdf?filetype=pdf&DocumentId=822 Comments: Potato Wart <i>Synchytrium endobioticum</i></p>
	<p>8.6. Title: Seed Wash Extraction for All <i>Ustilaginales</i> and Other Fungal Spores Transported by Grain and Straw. Prepared by: North American Plant Protection Organization (http://www.nappo.org/menu_e.shtml) Shortcut to the SOP http://www.nappo.org/Standards/NEW/Spanish/KBAppend3.pdf Comments: Wash extraction of the fungal spores</p>
Veterinary	<p>8.7. Title: SAMPLES COLLECTION & PREPARATION Prepared by: University of Missouri, Research Animal Diagnostic laboratory, Columbia, USA (http://labored.missouri.edu/) Shortcut to the SOP: http://www.radil.missouri.edu/samplePrepSOP.html Comments: Samples collection</p>