

ISO References and Resources Documents
Updated June 2020

Title	Reference Information	Website/Location	Cost
ISO/IEC 17025:2017 / ISO/IEC 17025:2005 - Competence of Laboratories Transition Set	ANSI: The ISO/IEC 17025:2017 / ISO/IEC 17025:2005 - Competence of Laboratories Transition Set provides updates on the process approach, information technology, risk-based thinking, and terminology. ISO/IEC 17025:2005 is provided to compare changes in ISO/IEC 17025:2017. Competence of Laboratories Transition Set includes: ISO/IEC 17025:2017 & ISO/IEC 17025:2005	https://webstore.ansi.org/Standards/ISO/ISOIEC1702520172005Competence?source=blog	\$200
WHO Laboratory quality management system: handbook	WHO: intended to provide a comprehensive reference on Laboratory quality management system for all stakeholders in health laboratory processes, from management, to administration, to bench-work laboratorians. This handbook covers topics that are essential for quality management of a public health or clinical laboratory. They are based on both ISO 15189 and CLSI GP26-A3 documents. The handbook is linked to the training toolkit on laboratory quality management system.	https://www.who.int/ihr/publications/lqms/en/	No cost: download
Eurolab Handbook ISO/IEC 17025:2017	Eurolab	https://www.aphl.org/programs/food_safety/laboratory-accreditation/Documents/EUROLAB%20Handbook%20ISO%20IEC%2017025%202017.pdf	No cost: download
GOODSamples (Guidance on Obtaining Defensible Samples)	AAFCO	http://www.aafco.org/Publications	No cost: download
GOOD Test Portions (in English and French)	AAFCO	http://www.aafco.org/Publications	No cost: download
2014 Quality Assurance/Quality Control Guidelines for State Feed Laboratories (Errata February 2016)	AAFCO	http://www.aafco.org/Publications/QA-QC-Guidelines-for-State-Feed-Laboratories	\$175.00 - includes ISO/IEC 17025:2005 \$75.00 without ISO/IEC 17025:2005
Resources for ISO 17025 Accreditation: Feed Quality Assurance/Quality Control Group Resources	AAFCO Website: Resources for Laboratory Accreditation	http://www.aafco.org/Laboratory	No cost
Topical Index for Laws and Guidance	AFDO Website: Documents for Laboratory, Laboratory Accreditation and Sampling	http://ti.afdo.org/	No cost
A Primer: Good Laboratory Practice and Current Good Manufacturing Practice	Agilent Technologies 2000-2002	http://depa.fquim.unam.mx/amyd/archivero/GoodLP_4835.pdf	No cost: download

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ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories	ANAB-ANSI eStandard Store	https://webstore.ansi.org/RecordDetail.aspx?sku=ISO%2FIEC+17025%3A2017&sourcekeyword=&source=google&adgroup=iso13&gclid=EAlalQobChMiwujkzfCo2AIVlFACH14wAsYEAYASAAEgInvPD_BwE	Non-member: \$162.00 Full Member : \$129.60 Download
AOAC Accreditation resources	AOAC International	http://tdrm.aoac.org/rm_docs/RM%20Documents/RMG_files_/Page497.htm	No cost: download
AOAC Internationa Methods Committee Guidelines for Validation of Microbiological Methods for Food and Environmental Surfaces (Appendix J)	AOAC International-2/24/12 version of Appendix J	http://members.aoac.org/aoac_prod_imis/AOAC_Docs/StandardsDevelopment/AOAC_Validation_Guidelines_for_Food_Microbiology-Prepub_version.pdf	No cost: download
ISO 17025: 2017 Revisions Quality manual Template	AoAC International	http://members.aoac.org/AOAC_Prod_Imis/AOAC/Bookstore/AOAC/Store_Home.aspx?hkey=d6d32048-a011-4862-8578-de31e98827ba	\$399.00 non-member, #359.10 member
Quality Assurance Principles for Analytical Labs 3rd Ed. Frederick Garfield, Eugene Klesta, Jerry Hirsch.	AOAC International	http://members.aoac.org/AOAC_Prod_Imis/AOAC/Bookstore/AOAC/Store_Home.aspx?hkey=d6d32048-a011-4862-8578-de31e98827ba	\$99.00 non-member, \$89.00 member
Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Food, Dietary Supplements, and Pharmaceuticals—An Aid to the Interpretation of ISO/IEC 17025:2017 (2018)	AOAC International-online version or hard copy version	http://members.aoac.org/AOAC_Prod_Imis/AOAC/Bookstore/AOAC/Store_Home.aspx?hkey=d6d32048-a011-4862-8578-de31e98827ba	Refer to Website for pricing. Hard copy and on-line version available.
Official Methods of Analysis	AOAC International-online version	http://www.eoma.aoac.org/	Access the online version is part of AOAC membership; individual or group access only is available for electronic version. Check website for pricing.
	AOAC International hard copy-21st Edition (2019)	http://members.aoac.org/AOAC_Prod_Imis/ItemDetail?iProductCode=1121&Category=GENERAL&WebsiteKey=2e25ab5a-1f6d-4d78-a498-19b9763d11b4	Check website for pricing.
Compendium of Methods for the Microbiological Examination of Foods, 5th Edition (2015)	APHA-eBook -individual chapters can be purchased or entire book can be downloaded	http://ajph.aphapublications.org/doi/book/10.2105/MBEF.0222	Check website for information & price for the document.
	APHA Hard Copy-5th Edition (May 2015)-check with APHL Food Safety to see if there is a discount through them (www.aphl.org)	https://secure.apha.org/imis/ItemDetail?iProductCode=978-087553-2738&CATEGORY=BK&ga=1.179943204.1895356868.1452810719	\$299.25 (non-member), 209.48 (member)
Control of Communicable Diseases: Laboratory Practice (2019)	APHA Hard Copy-May 2019	http://secure.apha.org/imis/ItemDetail?iProductCode=978-087553-2851&CATEGORY=BK	Non-member-\$109.00; APHA member \$76.30

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Standard Methods for the Examination of Water and Wasterwater, 23rd Edition (2017)	APHA Hard Copy	http://secure.apha.org/imis/ItemDetail?iProductCode=978-087553-2875&CATEGORY=BK	Non-member price: \$395.00; APHA member price: \$275.00
	APHA Digital Edition	https://www.standardmethods.org/	check on-line for inforamtion
Standard Methods for the Examination of Dairy Products , 17th Edition (2004)	APHA Soft Copy	http://secure.apha.org/imis/ItemDetail?iProductCode=978-087553-0215&CATEGORY=BK	\$135.00 non-member, \$94.50 member APHA
	APHA Digital Edition	https://aiph.aphapublications.org/doi/book/10.2105/9780875530024	Check website for pricing.
Accreditation Support for Food and Feed Testing Laboratories, including documents, training resources	APHL - Electronic	https://www.aphl.org/programs/food_safety/laboratory-accreditation/Pages/default.aspx	No cost: downloads, videos
Laboratory Techniques Training	APHL/Arizona DOH: This website provides training on laboratory skills and competencies (in development)	http://www.azdhs.gov/preparedness/state-laboratory/aphl-training-repo/index.php	No cost: download & video
Technical Resources - ADHS Calibration Training Instrument Calibration	Arizona Department of Health and Safety	http://www.azdhs.gov/lab/license/resources/calibration-training.htm	No cost: download
Technical Resources - Additional Resources State Assessor Calibration Policy	Arizona Department of Health and Safety	http://www.azdhs.gov/lab/license/resources/resources.htm	Website
Minimizing Liquid Delivery Risk: Pipettes as Sources of Error	ARTEL Resource Library (other pipetting resources also)	http://www.artel-usa.com/topic/pipette-calibration/	Website
The Quality Improvement Handbook, Second Edition	ASQ Quality Management Divison	http://www.amazon.com/Quality-Improvement-Handbook-Second/dp/0873896904/ref=sr_1_1?s=books&ie=UTF8&qid=1437577443&sr=1-1&keywords=The+Quality+Improvement+Handbook%2C+Second+Edition#reader_0873896904	Order from Amazon
Root Cause Analysis Simplified Tools and Techniques, Second Edition	ASQ: Bjorn Anderson and Tom Fagerhaug	https://asq.org/quality-press/display-item?item=H1287	Softcover List \$: \$74.00 Member: \$51.80 E-Books available from various e-book retailers

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Juran's Quality Handbook, The Complete Guide to Performance Excellence, Seventh Edition (2016)	ASQ: Joseph A. DeFeo	https://asq.org/quality-press/display-item?item=P1620	Member: \$134.00 List: \$175.00
Implementing ISO/IEC 17025:2005; A practical guide. (2013)	ASQ: Bob Mehta	https://asq.org/quality-press/display-item?item=H1448	List price: \$10.00
Implementing ISO/IEC 17025:2017; A practical guide. (2019)-hard copy and eBook available	ASQ: Bob Mehta	https://asq.org/quality-press/display-item?item=H1555	\$52.50 Member price; \$75.00 non=member
The Risk Based Thinking Memory Jogger	ASQ	https://asq.org/quality-press/display-item?item=P1628	list price: \$16.95
Success Through Quality: Support Guide for the Journey to Continuous Improvement	ASQ: Timothy J. Clark	https://www.amazon.com/Success-Through-Quality-Continuous-Improvement/dp/0873894413	Order from Amazon
Mapping Work Processes	Dianne Galloway	https://www.amazon.com/Mapping-Processes-Galloway-1-Mar-1994-Spiral-bound/dp/B013PREO9C/ref=sr_1_2?dchild=1&keywords=mapping+work+processes+diane+galloway&nid=1592776496&sr=8-2	Order from Amazon
CIFOR Toolkit/website	CIFOR	http://cifor.us/products/toolkit	No cost: download
CIFOR Guidelines for Foodborne Disease Outbreak Response, Third Edition	CIFOR	http://cifor.us/products/guidelines	No cost: download
FDA Food Program Compendium of Analytical Laboratory Methods	FDA Method Compendium	https://www.fda.gov/food/laboratory-methods-food/foods-program-compedium-analytical-laboratory-methods	No cost: download
FDA Guidelines for the Validation of Chemical Methods for the FDA Food Program, 3rd Edition	FDA Chemistry Validation Guidelines, October 2019	http://www.fda.gov/downloads/ScienceResearch/FieldScience/UCM273418.pdf	No cost: download
FDA ORA Laboratory Manual	FDA Field Methods	http://www.fda.gov/ScienceResearch/FieldScience/LaboratoryManual/default.htm	No cost: download
FDA CFSAN Laboratory Quality Assurance Manual	FDA Laboratory QA Manual	https://www.fda.gov/food/laboratory-methods-food-safety/cfsan-laboratory-quality-assurance-manual	No cost: download

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FDA Bacteriological Analytical Manual Online (BAM)	FDA Methods	http://www.fda.gov/Food/FoodScienceResearch/LaboratoryMethods/ucm2006949.htm	No cost: download
FDA The Defects Level Handbook	The Food Defect Action Levels Levels of natural or unavoidable defects in foods that present no health hazards for humans	https://www.fda.gov/Food/GuidanceRegulation/GuidanceDocumentsRegulatoryInformation/ucm056174.htm	No cost: download
FDA Laboratory Information Bulletins	FDA Methods	http://www.fda.gov/ScienceResearch/FieldScience/ucm231463.htm	No cost: download
FDA Macroanalytical Procedures Manual	FDA Methods for Filth (1984)	http://www.fda.gov/Food/FoodScienceResearch/LaboratoryMethods/ucm2006953.htm	No cost: download
FDA Guidelines for Validation of Analytical Methods for the Detection of Microbial Pathogens for the FDA Food Program, 3rd Edition	FDA Microbiology Validation Guidelines, October 17, 2019	http://www.fda.gov/downloads/ScienceResearch/FieldScience/UCM298730.pdf	No cost: download
FDA Pesticide Analytical Methods (PAM)	FDA Pesticide Analytical Methods	http://www.fda.gov/Food/FoodScienceResearch/LaboratoryMethods/ucm2006955.htm	No cost: download
FDA Regulatory Fish Encyclopedia	The Seafood List is a searchable compendium of approximately 1800 species of finfish and shellfish	https://www.fda.gov/Food/FoodScienceResearch/RFE/default.htm	No cost: download
Health Canada: The Compendium of Analytical Methods	Health Canada Food Testing Methods	http://www.hc-sc.gc.ca/fn-an/res-rech/analy-meth/microbio/index-eng.php	No cost: Can request a Zip File; joining mailing list for notification of updates.
FDA Chemical, Metals, Natural Toxins & Pesticides Guidance Documents & Regulations	FDA Guidance Documents	https://www.fda.gov/food/guidance-documents-regulatory-information-topic-food-and-dietary-supplements/chemical-contaminants-metals-natural-toxins-pesticides-guidance-documents-regulations	No cost: download
Errors in weighing when using a single-pan balance	Fletcher, CD. Journal of Clinical Pathology. 1982 Apr; 35(4): 477–478	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC497688/?page=1	No cost: download
Quality Assurance of Chemical Measurements	Lewis Publishers; John Keenan Taylor	http://www.amazon.com/Quality-Assurance-Chemical-Measurements-Taylor/dp/0873710975	Order from Amazon
Document Control: A Simple Guide to Managing Documentation	Paton Professional Publishing	http://www.patonprofessional.com/ebooks/	E-Book: \$26.95 Paperback: \$26:95

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Process Mapping, Process Improvement, and Process Management	Paton Professional Publishing	http://www.patonprofessional.com/ebooks/	E-Book: \$30.95 Paperback: \$44.95
Root Cause Analysis, Basic Tools and Techniques	Paton Professional Publishing	http://www.patonprofessional.com/ebooks/	E-Book: \$26.95 Paperback thru Amazon
The Basics of Corrective Action	Paton Professional Publishing	http://www.patonprofessional.com/ebooks/	E-Book: \$9.99
The Corrective Action Handbook	Paton Professional Publishing	http://www.patonprofessional.com/ebooks/	E-Book: \$29.95 Paperback: \$29.95
The Management Review Handbook	Paton Professional Publishing	http://www.patonprofessional.com/ebooks/	E-Book: \$29.95 Paperback: \$29.95
The Preventive Action Handbook	Paton Professional Publishing	http://www.patonprofessional.com/ebooks/	E-Book: \$29.95 Paperback: \$29.95
Quality Basics: Root Cause Analysis for Beginners	Rooney, J. and Vanden Heuvel, L., ASQ, Quality Progress, July 2003, pp 45-53	http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.618.8544&rep=rep1&type=pdf	No cost: download
Quality Management Training Series	APHL Training series for use by quality managers to train new staff or retraining-based on ISO/IEC 17025 (being updated to the 2017 version of ISO/IEC 17025)	https://www.aphl.org/programs/food_safety/laboratory-accreditation/Pages/Developing-Training.aspx	No cost: download
USDA FSIS Microbiological Laboratory Guidebook	USDA FSIS Methods	http://www.fsis.usda.gov/wps/portal/fsis/topics/science/laboratories-and-procedures/guidebooks-and-methods/microbiology-laboratory-guidebook/microbiology-laboratory-guidebook	No cost: download
USDA FSIS Chemistry Laboratory Guidebook	USDA FSIS Methods	http://www.fsis.usda.gov/wps/portal/fsis/topics/science/laboratories-and-procedures/guidebooks-and-methods/chemistry-laboratory-guidebook	No cost: download
Complying with ISO 17025: A practical guidebook for meeting the requirements of laboratory accreditation schemes based on ISO 17025:2005 or equivalent national standards	United Nations Industrial Development Organization, 2009	https://www.unido.org/fileadmin/user_media/Publications/Pub_fr/ee/Complying_with_ISO_17025_A_practical_guidebook.pdf	No cost: download
List of Proficiency Test Providers	EPTIS database	https://www.eptis.bam.de/eptis/WebSearch/main	No cost: searchable database

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How to Meet ISO 17025 Requirements for Verification	AOAC International	https://www.aphl.org/programs/food_safety/laboratory-accreditation/Documents/FS_2008March12_AOAC_How-to-Meet-ISO-17025-Requrments-for-Method-Verification.pdf	No cost: download
Data Collection and Analysis Tools	ASQ	http://asq.org/learn-about-quality/data-collection-analysis-tools/overview/overview.html	No cost: download
Journal of AOAC International Special Issue on Representative Sampling for Food and Feed Materials: A Critical Need for Food/Feed Safety (Journal of AOAC INTERNATIONAL, Volume 98, Issue 2, 1 March 2015)	JAOAC	https://academic.oup.com/jaoac/issue/98/2	No cost: download
FAO Laboratory Internal Audit Tool for Testing Laboratories compliant with ISO/IEC 17025:2005	Laboratory Audit Tool	https://www.feedipedia.org/content/fao-laboratory-audit-tool	No cost: download