

## CAP Accreditation Checklists – 2025 Edition

The College of American Pathologists (CAP) accreditation checklists contain the CAP accreditation program requirements, developed on more than 50 years of insight and pathology expertise. The following is a complete list of the CAP accreditation checklists:

CHECKLISTS	SUBDISCIPLINES	DESCRIPTION OF CONTENTS
<b>All Common</b>	N/A	<ul style="list-style-type: none"> <li>• Proficiency testing</li> <li>• Policy and procedure manuals</li> <li>• Specimen collection and handling</li> <li>• Quality management</li> <li>• Reporting of results</li> <li>• Reagents</li> <li>• Instruments and equipment maintenance/function checks</li> <li>• Thermometers, temperature dependent equipment, and environmental monitoring</li> <li>• Pipettes and analytical balances</li> <li>• Waived test implementation</li> <li>• Test method validation/verification – nonwaived tests</li> <li>• Individualized quality control plans</li> </ul>
<b>Anatomic Pathology</b>	<ul style="list-style-type: none"> <li>• Anatomic Pathology Processing</li> <li>• Autopsy Pathology</li> <li>• Circulating Tumor Cell Analysis</li> <li>• Digital Image Analysis</li> <li>• Electron Microscopy</li> <li>• Intra-operative Consultation</li> <li>• In Vivo Microscopy</li> <li>• Molecular Anatomic Pathology</li> <li>• Pathologist Interpretation, Flow Cytometry in AP</li> <li>• Surgical Pathology</li> </ul>	<ul style="list-style-type: none"> <li>• Surgical pathology</li> <li>• Intra-operative consultation</li> <li>• Fine-needle aspiration</li> <li>• Histology</li> <li>• Immunohistochemistry and immunofluorescence microscopy</li> <li>• In situ hybridization (ISH)</li> <li>• Predictive marker testing</li> <li>• Digital image analysis</li> <li>• Flow cytometry data interpretation</li> <li>• Circulating tumor cell analysis</li> <li>• Autopsy pathology</li> <li>• Forensic pathology</li> <li>• Electron microscopy</li> <li>• In vivo and ex vivo microscopy</li> </ul>
<b>Biorepository</b>	<ul style="list-style-type: none"> <li>• General Specimen Processing</li> <li>• Nucleic Acid Extraction</li> <li>• Specimen Collection/Procurement</li> </ul>	<ul style="list-style-type: none"> <li>• Quality management</li> <li>• Biospecimen collection and handling</li> <li>• Biospecimen processing and quality, including DNA/RNA extraction/amplification, cell</li> </ul>



	<ul style="list-style-type: none"> <li>• Specimen Distribution and Agreements</li> <li>• Specimen Informatics</li> <li>• Specimen Storage</li> </ul>	<p>fractionation, cell and tissue culture, and histology</p> <ul style="list-style-type: none"> <li>• Specialized techniques, such as whole slide imaging, digital image analysis, tissue microarray, laser capture microdissection, and molecular methods</li> <li>• Inventory management system</li> <li>• Storage</li> <li>• Source and sponsor facilities</li> <li>• Informed consent and institutional review board</li> <li>• Distribution policies and agreements</li> </ul>
<b>Chemistry and Toxicology</b>	<ul style="list-style-type: none"> <li>• Blood Gases</li> <li>• Chemistry</li> <li>• Special Chemistry</li> <li>• Toxicology</li> </ul>	<ul style="list-style-type: none"> <li>• Automated chemistry procedures</li> <li>• Blood gas analysis</li> <li>• Therapeutic drug monitoring</li> <li>• Toxicology screening and confirmatory testing</li> <li>• Prenatal screening</li> <li>• Cystic fibrosis sweat testing</li> <li>• Tumor marker, immune system, and infectious disease immunoassays</li> <li>• Hemoglobin separation</li> <li>• Methods, such as thin layer chromatography (TLC), gas chromatography (GC), high performance liquid chromatography (HPLC), mass spectrometry (MS), imaging MS, atomic absorption, radioimmunoassay (RIA), and electrophoresis</li> </ul>
<b>Clinical Biochemical Genetics</b>	<ul style="list-style-type: none"> <li>• Clinical Biochemical Genetics</li> <li>• Newborn Screening</li> </ul>	<ul style="list-style-type: none"> <li>• Diagnostic testing for inborn errors of metabolism</li> <li>• Methods, such as enzyme assays, TLC, GC, HPLC, MS, electrophoresis, and RIA</li> <li>• Newborn screening</li> </ul>



<b>Cytogenetics</b>	<ul style="list-style-type: none"> <li>• Conventional Cytogenetics</li> <li>• Genomic Copy Number - Microarray</li> <li>• In Situ Hybridization</li> </ul>	<ul style="list-style-type: none"> <li>• Cytogenetic studies for constitutional and neoplastic disorders</li> <li>• ISH for constitutional and neoplastic disorders, including predictive marker testing</li> <li>• Digital image analysis</li> <li>• Genomic copy number analysis using arrays</li> </ul>
<b>Cytopathology</b>	<ul style="list-style-type: none"> <li>• Cytology Processing</li> <li>• Cytology Screening</li> <li>• Gynecologic Cytopathology</li> <li>• Non-gynecologic Cytopathology</li> </ul>	<ul style="list-style-type: none"> <li>• Cytology processing and staining</li> <li>• Cytology screening, manual and automated, including digital platforms</li> <li>• Immunocytochemistry, including predictive marker and p16/Ki67 dual stain testing</li> <li>• Gynecologic cytopathology</li> <li>• Non-gynecologic cytology, including fine-needle aspiration</li> </ul>
<b>Director Assessment</b>	N/A	<ul style="list-style-type: none"> <li>• Laboratory director qualifications</li> <li>• Laboratory director responsibilities</li> </ul>
<b>Flow Cytometry</b>	<ul style="list-style-type: none"> <li>• Flow Cytometry</li> </ul>	<ul style="list-style-type: none"> <li>• Blood lymphocyte subset enumeration</li> <li>• CD34 stem cell enumeration</li> <li>• Leukemia and lymphoma immunophenotyping</li> <li>• DNA content and cell cycle analysis</li> <li>• Rare event flow cytometric assays</li> </ul>
<b>Forensic Drug Testing</b>	<ul style="list-style-type: none"> <li>• Clinical Toxicology – Drug Testing</li> <li>• Forensic Drug Testing – Blood</li> <li>• Forensic Drug Testing – Hair</li> <li>• Forensic Drug Testing – Meconium</li> <li>• Forensic Drug Testing – Nails</li> <li>• Forensic Drug Testing – Oral fluid</li> <li>• Forensic Drug Testing – Umbilical Cord</li> </ul>	<ul style="list-style-type: none"> <li>• Non-medical drug testing</li> <li>• Screening and confirmatory testing for different specimen types (urine, blood, oral fluid, hair, meconium, umbilical cord, and nails)</li> <li>• Specimen handling and chain-of-custody</li> <li>• Certification/inspection of results</li> <li>• Methods, such as immunoassays, LC, GC, and MS</li> </ul>



	<ul style="list-style-type: none"><li>• Forensic Drug Testing – Urine</li><li>• Forensic Drug Testing – Urine Screen Only</li></ul>	
<b>Hematology and Coagulation</b>	<ul style="list-style-type: none"><li>• Body Fluid Analysis</li><li>• Coagulation</li><li>• Hematology</li></ul>	<ul style="list-style-type: none"><li>• CBC and differentials, automated and manual</li><li>• Reticulocytes, automated and manual</li><li>• Bone marrow preparations</li><li>• Abnormal hemoglobin detection</li><li>• Blood film examination for microorganisms</li><li>• Body fluid cell counts (automated and manual), differentials, and crystal analysis</li><li>• Semen analysis, automated and manual</li><li>• Routine coagulation assays</li><li>• Specialized coagulation assays, including factor assays, mixing studies, D-dimer, electrophoresis studies, platelet function assays, and viscoelastic testing.</li></ul>
<b>Histocompatibility</b>	<ul style="list-style-type: none"><li>• Clinical Transplantation Support</li><li>• HLA Cellular Functional Tests</li><li>• HLA Flow Cytometry</li><li>• HLA Serology</li><li>• HLA Solid Phase Assays</li><li>• HLA Molecular Non-NGS</li></ul>	<ul style="list-style-type: none"><li>• HLA testing by serologic, molecular, flow cytometry, immunoassay, and solid phase methods</li><li>• Class I and II antigen typing</li><li>• HLA antibody screening, identification, and crossmatching</li><li>• DNA typing, including low and high resolution typing, and DNA sequence-based typing</li><li>• Donor-recipient histocompatibility, including renal, hematopoietic progenitor cell, and non-renal organ transplants</li></ul>



		<ul style="list-style-type: none"> <li>Hematopoietic progenitor cell engraftment and monitoring</li> </ul>
<b>Immunology</b>	<ul style="list-style-type: none"> <li>Immunology</li> </ul>	<ul style="list-style-type: none"> <li>General immunology assays, manual and automated</li> <li>Immune system profiles</li> <li>Tumor marker and infectious disease immunoassays</li> <li>Microbial antigen testing</li> <li>Waived molecular-based microbiology tests</li> <li>ABO/Rh and antibody screening (non-transfusion related)</li> <li>Syphilis serology</li> <li>HIV Primary diagnostic testing</li> <li>Western blot</li> </ul>
<b>Laboratory General</b>	N/A	<ul style="list-style-type: none"> <li>Quality management system</li> <li>Specimen collection</li> <li>Chain-of-custody specimen collection and handling</li> <li>Direct-to-consumer testing</li> <li>Specimen transport and tracking</li> <li>Result reporting</li> <li>Quality of water</li> <li>Laboratory computer services</li> <li>Digital pathology including remote data assessment</li> <li>Whole slide imaging</li> <li>Personnel</li> <li>Physical facilities</li> <li>Laboratory Safety</li> <li>California laboratory licensure requirements</li> </ul>
<b>Limited Service</b>	<ul style="list-style-type: none"> <li>Body Fluid Analysis</li> <li>Coagulation</li> <li>Hematology</li> <li>Blood Gas Analysis</li> <li>Chemistry</li> <li>Special Chemistry</li> <li>Toxicology</li> <li>Bacteriology</li> <li>Parasitology</li> <li>Mycology</li> <li>Virology</li> <li>Urinalysis</li> </ul>	<p>Contains a limited subset of requirements from the checklists, including:</p> <ul style="list-style-type: none"> <li>Automated and manual hematology testing, including CBC, reticulocytes, and differentials</li> <li>Routine coagulation assays</li> <li>Body fluid analysis, including semen and crystal analysis</li> <li>Automated general chemistry</li> <li>Blood gas analysis</li> <li>Therapeutic drug monitoring</li> </ul>



	<ul style="list-style-type: none"> <li>Immunology</li> <li>Immunohematology</li> </ul>	<ul style="list-style-type: none"> <li>Screening for drugs of abuse</li> <li>Tumor marker and infectious disease immunoassays</li> <li>Urinalysis dipstick and microscopy, manual and automated methods</li> <li>Microbiology specimen set up, direct specimen examination, stains, and antigen typing for various subdisciplines</li> <li>General immunology assays, including anti-nuclear antibody testing, HIV primary diagnostic testing, and immune system profiles</li> <li>Microbial antigen/antibody testing</li> <li>Non-transfusion-related immunohematology testing</li> <li>Syphilis serology</li> <li>Waived molecular based microbiology tests</li> </ul>
<b>Microbiology</b>	<ul style="list-style-type: none"> <li>Bacteriology</li> <li>Molecular Microbiology</li> <li>Molecular-based COVID-19 Testing</li> <li>Mycobacteriology</li> <li>Mycology</li> <li>Parasitology</li> <li>Virology</li> </ul>	<ul style="list-style-type: none"> <li>Culture setup, staining, antigen typing, screening, identification, and susceptibility testing for bacteriology, mycology, mycobacteriology, and virology</li> <li>Parasitology, including stool for ova and parasites and blood films for microorganisms</li> <li>Molecular microbiology, including waived and non-waived FDA-cleared/approved methods, modified methods, and laboratory-developed methods</li> <li>Microbial identification, using methods such as MALDI-TOF MS, GC, HPLC, ISH, target and signal amplification, and sequencing</li> </ul>
<b>Molecular Pathology</b>	<ul style="list-style-type: none"> <li>Inherited Genetics</li> <li>Molecular Oncology – Hematologic Diseases</li> <li>Molecular Oncology – Solid Tumor</li> <li>Infectious Disease NGS</li> <li>HLA NGS</li> </ul>	<ul style="list-style-type: none"> <li>Clinical molecular genetics testing, including oncology, inherited disease, pharmacogenomics, HLA typing, forensic identity, and relationship testing applications</li> <li>Molecular assay validation</li> <li>ISH for constitutional and neoplastic disorders, including predictive marker testing</li> </ul>



		<ul style="list-style-type: none"> <li>• Methods, such as electrophoresis, PCR, arrays, digital image analysis, and sequencing</li> <li>• Next-generation sequencing for inherited diseases, including non-invasive screening of maternal plasma to detect fetal chromosomal alterations, oncology, infectious diseases, and histocompatibility.</li> <li>• Hematopoietic progenitor cell engraftment monitoring</li> </ul>
<b>Point-of-Care Testing (POC)</b>	<ul style="list-style-type: none"> <li>• POCT – Nonwaived</li> <li>• POCT – Provider-Performed Microscopy</li> <li>• POCT - Waived</li> </ul>	<ul style="list-style-type: none"> <li>• Tests performed at or near the site where the patient is located (non-dedicated space)</li> <li>• Waived and moderate-complexity testing</li> <li>• Kit tests or hand-carried instruments transported to the vicinity of the patient for immediate testing</li> <li>• Modified FDA-cleared/approved POCT (eg, glucose meters used for critically ill patients)</li> <li>• Blood gas analysis</li> <li>• D-dimer studies</li> <li>• HIV primary diagnostic testing</li> <li>• Waived molecular-based microbiology testing</li> <li>• Provider-performed microscopy</li> </ul>
<b>Reproductive Laboratory Medicine</b>	<ul style="list-style-type: none"> <li>• Andrology</li> <li>• Embryology</li> </ul>	<ul style="list-style-type: none"> <li>• Complete semen analysis, automated and manual methods</li> <li>• Biochemical testing</li> <li>• Anti-sperm antibody testing</li> <li>• Sperm processing for therapeutic insemination</li> <li>• Embryology procedures</li> <li>• Embryo and gamete cryopreservation</li> <li>• Donor reproductive cell/tissue programs</li> </ul>
<b>Transfusion Medicine</b>	<ul style="list-style-type: none"> <li>• Cellular Therapy Services</li> <li>• Donor Services</li> <li>• Immunohematology</li> <li>• Tissue Storage and Issue</li> <li>• Transfusion Services</li> </ul>	<ul style="list-style-type: none"> <li>• Immunohematology testing, manual and automated</li> <li>• Compatibility testing, including computer crossmatches</li> <li>• Perinatal testing</li> </ul>



		<ul style="list-style-type: none"><li>• Transfusion procedures and adverse reactions</li><li>• Therapeutic phlebotomy</li><li>• Donor and therapeutic apheresis</li><li>• Component preparation, storage, and modification</li><li>• Cellular therapy</li><li>• Tissue storage and issue</li><li>• Donor section, collection, and testing</li></ul>
<b>Urinalysis</b>	<ul style="list-style-type: none"><li>• Urinalysis</li></ul>	<ul style="list-style-type: none"><li>• Urinalysis dipstick, automated and manual methods</li><li>• Manual urine microscopy</li><li>• Automated microscopy systems</li><li>• Body fluid crystal analysis</li></ul>