

DEFINITION AND SCOPE  
OF  
CERTIFICATE OF QUALIFICATION  
CATEGORIES

**APPLICANTS MUST DEMONSTRATE EXPERIENCE OBTAINED WITHIN THE PAST SIX YEARS IN EACH CATEGORY REQUESTED. BOARD RECERTIFICATION ALONE IS NOT SUFFICIENT EVIDENCE OF RECENT EXPERIENCE.**

**ANDROLOGY**

- DESCRIPTION:
  - All aspects of andrology testing performed on patients and donors for the assessment of male fertility. The category includes tests such as sperm concentration/count, sperm motility, sperm morphology, semen biochemical tests, sperm DNA fragmentation assays, cervical mucus penetration tests, anti-sperm and anti-ovary antibody tests, sperm-egg interaction tests and other sperm function tests. Qualitative post-vasectomy testing for the presence or absence of viable sperm may be performed under this category or Hematology. This category does not include endocrinology tests, such as measurement of FSH or LH activity. This category does not include genetic testing for markers of infertility and preimplantation diagnosis of embryos.
- ELIGIBILITY:
  - Licensed Physician with board certification through the American Board of Pathology in Clinical Pathology and 6 months of experience, or American Osteopathic Board of Pathology in laboratory medicine and 6 months of experience; or a total of four (4) years post-doctoral experience in the absence of board certification.
  - Earned Doctoral degree holder with board certification through the American Board of Bioanalysis as High Complexity Laboratory Directory with four (4) years post-doctoral experience; or a total of four (4) years post-doctoral experience in the absence of board certification.

**BACTERIOLOGY**

- DESCRIPTION:
  - All aspects of bacteriology testing from gram stains to full work-up of anaerobes and aerobes, including molecular methods. Must also hold Mycology and Parasitology to direct the permit category of Wet Mounts.
- ELIGIBILITY:
  - Licensed physician with board certification through the American Board of Pathology in Clinical Pathology, the American Board of Pathology in Medical Microbiology, the American Osteopathic Board of Pathology in laboratory medicine; the American Board of Medical Microbiology; or a total of four (4) years post-doctoral experience in the absence of board certification.
  - Earned doctoral degree holder with board certification through the American Board of Bioanalysis as High Complexity Laboratory Director with four (4) years post-doctoral experience; American Board of Medical Microbiology; or a total of four (4) years post-doctoral experience in the absence of board certification.

## **BLOOD BANKING COLLECTION-COMPREHENSIVE**

- DESCRIPTION:
  - The selection of donors, collection of blood or blood components, and preparation of blood components for allogeneic or autogeneic transfusion, or for fractionation into infusible plasma derivatives. Donor screening for hemoglobin/hematocrit, plus total serum protein of plasmapheresis donors, mandated immunohematologic donor testing including blood grouping and alloantibody screening, and mandated serologic and enzymologic donor testing for infectious blood-borne agents in the blood collection facility are included in this category.
- ELIGIBILITY:
  - Licensed physician demonstrating a total of four (4) years of post-doctoral experience with at least one (1) year of experience in collection and/or testing of blood for allogeneic transfusion.

## **BLOOD BANKING COLLECTION-LIMITED**

- DESCRIPTION:
  - The collection of blood or blood components for autogeneic transfusion. Mandated transfusion-related immunohematologic testing of donor blood. This category does not include testing for transmissible disease markers.
- ELIGIBILITY:
  - Licensed physician with board certification through the American Board of Pathology in Clinical Pathology, the American Osteopathic Board of Pathology in laboratory medicine, or the American Board of Internal Medicine in hematology; or a total of four (4) years post-doctoral experience in the absence of board certification.

## **BLOOD LEAD**

- DESCRIPTION:
  - The quantitative determination of lead in blood for screening and/or diagnosis of lead poisoning. CQ holder is also qualified to direct the permit category of Trace Elements.
- ELIGIBILITY:
  - Licensed physician with board certification through the American Board of Pathology in Clinical Pathology; the American Osteopathic Board of Pathology in laboratory medicine; American Board of Clinical Chemistry in toxicological chemistry; American Board of Forensic Toxicology; or a total of four (4) years post-doctoral experience in the absence of board certification.
  - Earned doctoral degree holder with board certification through the American Board of Bioanalysis as High Complexity Laboratory Directory with four (4) years post-doctoral experience; American Board of Clinical Chemistry in toxicological chemistry; American Board of Forensic Toxicology; National Registry for Certified Chemists with four (4) years of post-doctoral experience; or a total of four (4) years post-doctoral experience in the absence of board certification.

## **BLOOD pH AND GASES**

- DESCRIPTION:
  - Measurement of blood pH, pO<sub>2</sub>, and pCO<sub>2</sub>. CQ holder also qualified to direct hemoglobin/hematocrit testing and/or blood electrolytes testing when performed on blood gas instruments for analysis of blood pH and gases and related metabolic parameters.
- ELIGIBILITY:
  - Licensed physician with board certification through the American Board of Pathology in Clinical Pathology; the American Osteopathic Board of Pathology in laboratory medicine, the American Board of Clinical Chemistry in clinical chemistry; or a total of four (4) years post-doctoral experience in the absence of board certification.
  - Earned doctoral degree holder with board certification through the American Board of Bioanalysis as High Complexity Laboratory Directory with four (4) years post-doctoral experience; American Board of Clinical Chemistry in clinical chemistry; National Registry for Certified Chemists with four (4) years of post-doctoral experience; or a total of four (4) years

post-doctoral experience in the absence of board certification.

## **CELLULAR IMMUNOLOGY**

- DESCRIPTION:
  - LEUKOCYTE FUNCTION: Includes *in vitro* testing of lymphoid function (e.g. analysis of lymphocytes including proliferation, cytokine production, and cytolytic activity) and non-lymphoid function (e.g. analysis of granulocytes or monocytes including chemotaxis, adherence, phagocytosis, oxidative burst, and degranulation). This category also covers the quantification of cytokines in serum, plasma, or CSF.
  - NON-MALIGNANT LEUKOCYTE IMMUNOPHENOTYPING: Includes identification and enumeration of non-malignant leukocyte populations by flow cytometry. This immunophenotyping may include lymphoid and T-lymphoid subsets or non-lymphoid subsets (e.g. stem cell analysis, PNH analysis, LAD analysis, Toll-like Receptor analysis and evaluation of intracellular signaling molecules).
  - MALIGNANT LEUKOCYTE IMMUNOPHENOTYPING: Includes identification and characterization of leukemias and lymphomas by flow cytometry.
- ELIGIBILITY:
  - Licensed physician with a total of four (4) years post-doctoral experience.
  - Earned doctoral degree holder with a total of four (4) years post-doctoral experience.

## **CLINICAL CHEMISTRY**

- DESCRIPTION:
  - General chemistry testing including enzymes, electrolytes, metal analysis, substrates, metabolites, lipids, and proteins in blood or other patient materials. This category does not include testing in areas defined by Blood pH and Gases, Trace Elements, and Therapeutic Substance Monitoring/Quantitative Toxicology. Biochemistry testing for inherited metabolic disease is covered under Genetic Testing. CQ holder also qualified to direct the permit categories of Cytokines, Oncology - Soluble Tumor Markers, Toxicology – Blood Lead – ASV using Screen Printed Sensors.
- ELIGIBILITY:
  - Licensed physician with board certification through the American Board of Pathology in Clinical Pathology; the American Osteopathic Board of Pathology in laboratory medicine; American Board of Clinical Chemistry in clinical chemistry; or a total of four (4) years post-doctoral experience in the absence of board certification.
  - Earned doctoral degree holder with board certification through the American Board of Bioanalysis as High Complexity Laboratory Directory with four (4) years post-doctoral experience; American Board of Clinical Chemistry in clinical chemistry; National Registry for Certified Chemists with four (4) years of post-doctoral experience; or a total of four (4) years post-doctoral experience in the absence of board certification.

## **CLINICAL TOXICOLOGY**

- DESCRIPTION:
  - The screening for or qualitative determination of drugs, therapeutic or abused, in urine, blood, or other body fluids, for patient management, emergency toxicology screening, or drug rehabilitation monitoring. CQ holder also qualified to direct the permit category of Forensic Toxicology – Initial Testing Only.
- ELIGIBILITY:
  - Licensed physician with board certification through the American Board of Pathology in Clinical Pathology; the American Osteopathic Board of Pathology in laboratory medicine; American Board of Clinical Chemistry in clinical chemistry or toxicological chemistry; American Board of Forensic Toxicology; or a total of four (4) years post-doctoral experience in the absence of board certification.
  - Earned doctoral degree holder with board certification through the American Board of Bioanalysis as High Complexity Laboratory Directory with four (4) years post-doctoral

experience; American Board of Clinical Chemistry in clinical chemistry or toxicological chemistry; American Board of Forensic Toxicology; National Registry for Certified Chemists with four (4) years of post-doctoral experience; or a total of four (4) years post-doctoral experience in the absence of board certification.

## **CYTOGENETICS**

- DESCRIPTION:
  - The special culture and microscopic examination of metaphase chromosomes from cells from blood, body fluids, or other tissues to detect changes diagnostic of or associated with hereditary disorders, neoplastic diseases, or possible mutagenesis. Array-based copy number analysis assays for constitutional disorders may be performed under this category or Genetic Testing – Molecular. Oversight of FISH testing to confirm abnormal array results requires a Cytogenetics CQ.
- ELIGIBILITY:
  - Licensed physician with a total of four (4) years post-doctoral experience.
  - Earned doctoral degree holder with a total of four (4) years post-doctoral experience.

## **CYTOPATHOLOGY**

- DESCRIPTION:
  - The microscopic examination of cells exfoliated from epithelial surfaces or removed from tissues and cavities by brushing, scraping, washing, lavage or needle aspiration.
- ELIGIBILITY:
  - Licensed physician with board certification through the American Board of Pathology in anatomic pathology or the American Osteopathic Board of Pathology in anatomic pathology.

## **DIAGNOSTIC IMMUNOLOGY**

- DESCRIPTION:
  - Serologic tests for autoantibodies (exclusive of those against blood cells as performed in Hematology, Immunohematology, and Histocompatibility Testing), for antibody or antigen markers of infectious diseases, and tests for nonspecific reactive indicators of infectious diseases. This category covers both diagnostic serologic testing on patient specimens and mandated serologic testing of donors of blood, organs, or other tissues for infectious blood-borne agents. CQ holder also qualified to direct the permit category of Cytokines.
- ELIGIBILITY:
  - Licensed physician with board certification through the American Board of Pathology in Clinical Pathology, or the American Osteopathic Board of Pathology in laboratory medicine, the American Board of Pathology in Medical Microbiology, American Board of Medical Microbiology, American Board of Medical Laboratory Immunology; or a total of four (4) years post-doctoral experience in the absence of board certification.
  - Earned doctoral degree holder with board certification through the American Board of Bioanalysis as High Complexity Laboratory Director with four (4) years post-doctoral experience; American Board of Medical Laboratory Immunology; American Board of Medical Microbiology; or a total of four (4) years post-doctoral experience in the absence of board certification.

## **ENDOCRINOLOGY**

- DESCRIPTION:
  - The measurement of hormones, hormone-like molecules, and their metabolites in blood or other patient materials, and analysis of their effects on metabolism. The category also includes vitamin assays (e.g. B6, B12, folate).
- ELIGIBILITY:
  - Licensed physician with board certification through the American Board of Pathology in Clinical Pathology; the American Osteopathic Board of Pathology in laboratory medicine, American Board of Clinical Chemistry in clinical chemistry; or a total of four (4) years post-doctoral

- experience in the absence of board certification.
- Earned doctoral degree holder with board certification through the American Board of Bioanalysis as High Complexity Laboratory Directory with four (4) years post-doctoral experience; American Board of Clinical Chemistry in clinical chemistry; National Registry for Certified Chemists with four (4) years of post-doctoral experience; or a total of four (4) years post-doctoral experience in the absence of board certification.

## **FETAL DEFECT MARKERS**

- DESCRIPTION:
  - The quantitative measurement of biomarkers in bodily fluids (e.g. maternal serum, amniotic fluid) during pregnancy (any trimester), with the purpose of assessing the risk for fetal defects, such as neural tube defects and chromosomal abnormalities (e.g. Down's syndrome by multiple marker assay). Markers measured include, but are not limited to, alpha-fetoprotein (AFP), beta-human chorionic gonadotropin (beta-hCG), unconjugated estriol (uE3), inhibin A, and PAPP-A.
- ELIGIBILITY:
  - Licensed physician with a total of four (4) years post-doctoral experience.
  - Earned doctoral degree holder with a total of four (4) years post-doctoral experience.

## **FORENSIC IDENTITY**

- DESCRIPTION:
  - The resolution of forensic identity issues in accordance with mandated legal protocols; testing of subject materials for serological and DNA markers.
- ELIGIBILITY:
  - Licensed physician with a total of four (4) years post-doctoral experience.
  - Earned doctoral degree holder with a total of four (4) years post-doctoral experience.

## **FORENSIC TOXICOLOGY**

- DESCRIPTION:
  - The qualitative detection and semiquantitative or quantitative confirmation of drugs or other toxic substances in blood, body fluids, tissues, or other subject materials under protocols for sample custody, laboratory security, and subject confidentiality, with interpretation of findings in certain legal contexts (e.g. workplace drug abuse screening, issues of driving while intoxicated). CQ holder also qualified to direct the permit categories of Clinical Toxicology – Comprehensive and Clinical Toxicology – Initial Testing Only.
- ELIGIBILITY:
  - Licensed physician with board certification through the American Board of Clinical Chemistry in toxicological chemistry; American Board of Forensic Toxicology; or a total of four (4) years post-doctoral experience in the absence of board certification.
  - Earned doctoral degree holder with board certification through the American Board of Clinical Chemistry in toxicological chemistry; American Board of Forensic Toxicology; or a total of four (4) years post-doctoral experience in the absence of board certification.

## **GENETIC TESTING**

- DESCRIPTION:
  - The performance of procedures for the purpose of providing information for the diagnosis of a genetic disease or its carrier state or risk assessment for drug metabolism and/or hemostasis. Predisposition testing for inherited cancers; tests using genetic markers to monitor disease progression, therapeutic response, preimplantation diagnosis; and pharmacogenetics applications are all included in the Genetic Testing category. In addition, this category includes the use of genetic markers to test for zygosity for pregnancy management and maternal cell contamination in the context of genetic diagnosis. Some applications of these methodologies are excluded from approval in the Genetic Testing category, such as paternity testing, forensic testing, somatic changes in tumor tissue (molecular oncology) and tissue typing services. The category may be limited to molecular or biochemical assays, depending

on experience documented.

- **ELIGIBILITY**

- Licensed physician with a total of four (4) years post-doctoral experience.
- Earned doctoral degree holder with a total of four (4) years post-doctoral experience.

## **HEMATOLOGY**

- **DESCRIPTION:**

- Covers cellular hematology (blood cell counts and differentials), hemostasis and coagulation, and specialized screening and quantitative hematology tests. Semen analysis and other non-endocrinologic andrology tests are included under Andrology. CQ holder also qualified to direct the permit categories of Cellular Immunology - Non-Malignant Leukocyte Immunophenotyping (limited to non-flow cytometry methods), Genetic Testing – Biochemistry (limited to hemoglobinopathies), and Toxicology – Blood Lead – ASV using Screen-Printed Sensors.

- **ELIGIBILITY:**

- Licensed physician with board certification through the American Board of Pathology in Clinical Pathology; the American Osteopathic Board of Pathology in laboratory medicine; American Board of Internal Medicine in hematology with an additional six (6) months experience; or a total of four (4) years post-doctoral experience in the absence of board certification.
- Earned doctoral degree holder with a total of four (4) years post-doctoral experience.

## **HISTOCOMPATIBILITY**

- **DESCRIPTION:**

- The determination of phenotypic or genotypic polymorphisms of the human leukocyte antigen system by typing of lymphocytes or other cell materials for blood component transfusion, tissue or organ transplantation or analysis of HLA linkage with specific diseases. Typing methods may be based on cell-mediated immunity, serology, or DNA markers.

- **ELIGIBILITY:**

- Licensed physician with a total of four (4) years post-doctoral experience.
- Earned doctoral degree holder with a total of four (4) years post-doctoral experience.

## **HISTOPATHOLOGY**

- **DESCRIPTION:**

- Gross and microscopic examination of organ systems, organs, and tissues. The subcategory of **Oral Pathology** is limited to examination of the oral cavity; **Dermatopathology** to the examination of the skin.

- **ELIGIBILITY:**

- General subcategory: Licensed physician with board certification through the American Board of Pathology in anatomic pathology or the American Osteopathic Board of Pathology in anatomic pathology.
- Oral Pathology subcategory: Licensed physician with board certification through the American Board of Pathology in anatomic pathology or the American Osteopathic Board of Pathology in anatomic pathology. Licensed dentist with board certification through the American Board of Oral and Maxillofacial Pathology.
- Dermatopathology subcategory: Licensed physician with board certification through the American Board of Pathology in anatomic pathology or dermatopathology, or the American Osteopathic Board of Pathology in anatomic pathology or dermatology. Licensed physicians with board certification through the American Board of Dermatology will be limited to Mohs testing.

## **IMMUNOHEMATOLOGY**

- **DESCRIPTION:**

- Covers the testing of red blood cells, serum, or plasma for purposes not directly related to blood

transfusion including blood grouping, antibody identification, red cell phenotyping, and direct antiglobulin testing.

- **ELIGIBILITY:**

- Licensed physician with board certification through the American Board of Pathology in anatomic pathology or the American Osteopathic Board of Pathology in anatomic pathology; or a total of four (4) years post-doctoral experience in the absence of board certification.
- Earned doctoral degree holder with a total of four (4) years post-doctoral experience.

## **MYCOBACTERIOLOGY**

- **DESCRIPTION:**

- All aspects of mycobacteriology testing from smear examination only for acid-fast bacteria to full workup of all mycobacteria encountered in the clinical mycobacteriology laboratory, including molecular methods.

- **ELIGIBILITY:**

- Licensed physician with board certification through the American Board of Pathology in Clinical Pathology, the American Board of Pathology in Medical Microbiology, the American Osteopathic Board of Pathology in laboratory medicine; the American Board of Medical Microbiology; or a total of four (4) years post-doctoral experience in the absence of board certification.
- Earned doctoral degree holder with board certification through the American Board of Bioanalysis as High Complexity Laboratory Director with four (4) years post-doctoral experience; American Board of Medical Microbiology; or a total of four (4) years post-doctoral experience in the absence of board certification.

## **MYCOLOGY**

- **DESCRIPTION:**

- All aspects of mycology from workup of yeasts only to all fungi and actinomycetes encountered in the clinical mycology laboratory, including molecular methods. CQ holder must also hold Bacteriology and Parasitology to direct the permit category of Wet Mounts.

- **ELIGIBILITY:**

- Licensed physician with board certification through the American Board of Pathology in Clinical Pathology, the American Board of Pathology in Medical Microbiology, the American Osteopathic Board of Pathology in laboratory medicine; the American Board of Medical Microbiology; or a total of four (4) years post-doctoral experience in the absence of board certification.
- Earned doctoral degree holder with board certification through the American Board of Bioanalysis as High Complexity Laboratory Director with four (4) years post-doctoral experience; American Board of Medical Microbiology; or a total of four (4) years post-doctoral experience in the absence of board certification.

## **ONCOLOGY-SOLUBLE TUMOR MARKERS**

- **DESCRIPTION:**

- The performance of tests for sera and other soluble tumor markers found in body fluids (serum, urine, etc.) including, but not limited to, tests for alphafetoprotein (AFP), prostate specific antigen (PSA), carcinoembryonic antigen (CEA), CA125, CA27-29, NMP22. Results from these tests are generally quantitative. Methodologies used include radioimmunoassay (RIA), enzymeimmunoassay (EIA) or chemiluminoassay. A CQ holder in Clinical Chemistry (unrestricted) is also qualified to perform this testing.

- **ELIGIBILITY:**

- Licensed physician with a total of four (4) years post-doctoral experience.
- Earned doctoral degree holder with a total of four (4) years post-doctoral experience.

## **ONCOLOGY- MOLECULAR AND CELLULAR TUMOR MARKERS**

- **DESCRIPTION:**
  - This category is for laboratories performing tests on cellular material to detect tumor-specific acquired genetic or phenotypic alterations. It includes, but is not limited to, tests that detect chromosomal rearrangements by Southern blot or (RT)-PCR, detection of mutations in oncogenes or tumor suppressor genes (e.g., p53) by any technique (e.g., sequencing, SSCP, and chip analysis) and detection of altered gene/protein expression by DNA chip analysis, Western blot or any other appropriate semi-quantitative technique. Also included in this category is *ex vivo* determination of chemotherapeutic drug sensitivity.
- **ELIGIBILITY:**
  - Licensed physician with dual board certification in American Board of Pathology in anatomic pathology and molecular genetic pathology, dual certification in American Board of Pathology in clinical pathology and molecular genetic pathology, or a total of four (4) years post-doctoral experience.
  - Earned doctoral degree holder with a total of four (4) years post-doctoral experience.

## **PARASITOLOGY**

- **DESCRIPTION:**
  - Examination of feces, blood, urine, or other patient-derived materials for helminth and protozoan parasites, including molecular methods. CQ holder must also hold Bacteriology and Mycology to direct the permit category of Wet Mounts.
- **ELIGIBILITY:**
  - Licensed physician with board certification through the American Board of Pathology in Clinical Pathology, the American Board of Pathology in Medical Microbiology, the American Osteopathic Board of Pathology in laboratory medicine; the American Board of Medical Microbiology; or a total of four (4) years post-doctoral experience in the absence of board certification.
  - Earned doctoral degree holder with board certification through the American Board of Bioanalysis as High Complexity Laboratory Director with four (4) years post-doctoral experience; American Board of Medical Microbiology; or a total of four (4) years post-doctoral experience in the absence of board certification.

## **PARENTAGE/IDENTITY TESTING**

- **DESCRIPTION:**
  - The resolution of paternity issues in accordance with mandated legal protocols; testing of subject specimens for histocompatibility markers and/or DNA markers.
- **ELIGIBILITY:**
  - Licensed physician with a total of four (4) years post-doctoral experience.
  - Earned doctoral degree holder with a total of four (4) years post-doctoral experience.

## **THERAPEUTIC SUBSTANCE MONITORING/ QUANTITATIVE TOXICOLOGY**

- **DESCRIPTION:**
  - Quantitative determination of therapeutic or abused drugs in blood or body fluids to monitor dosage or check for toxicity.
- **ELIGIBILITY:**
  - Licensed physician with board certification through the American Board of Pathology in Clinical Pathology; the American Osteopathic Board of Pathology in laboratory medicine; American Board of Clinical Chemistry in clinical chemistry or toxicological chemistry; or a total of four (4) years post-doctoral experience in the absence of board certification.
  - Earned doctoral degree holder with board certification through the American Board of Bioanalysis as High Complexity Laboratory Director with four (4) years post-doctoral experience; American Board of Clinical Chemistry in clinical chemistry or toxicological chemistry; National Registry for Certified Chemists with four (4) years of post-doctoral



experience; or a total of four (4) years post-doctoral experience in the absence of board certification.

## **TRACE ELEMENTS**

- **DESCRIPTION:**
  - Testing for trace elements (e.g. arsenic, cadmium, mercury, copper, zinc, selenium, aluminum) in clinical specimens, including whole blood, serum or urine. CQ holder also qualified to direct the permit categories of Toxicology – Blood Lead - Comprehensive and Toxicology – Blood Lead - ASV using Screen Printed Sensors.
- **ELIGIBILITY:**
  - Licensed physician with a total of four (4) years post-doctoral experience.
  - Earned doctoral degree holder with a total of four (4) years post-doctoral experience.

## **TRANSFUSION SERVICES**

- **DESCRIPTION:**
  - The selection and storage of donor blood, blood components, or derivatives for transfusion. Mandated transfusion-related immunohematologic testing including blood grouping of each recipient and unit to be transfused, screening recipients for unexpected alloantibodies and compatibility testing. Directors of transfusion services serving New York State recipients must be licensed and currently registered as physicians in New York State. CQ holder also qualified to direct the permit category of Immunohematology.
- **ELIGIBILITY:**
  - Licensed physician with board certification through the American Board of Pathology in blood banking and transfusion medicine; the American Board of Pathology in Clinical Pathology and six (6) months additional months of experience; American Board of Internal Medicine in hematology and six (6) months additional months of experience; or a total of four (4) years post-doctoral experience in the absence of board certification.

## **TRANSPLANT MONITORING**

- **DESCRIPTION:**
  - The performance of molecular tests to monitor the status of a transplanted organ or tissue. This includes the monitoring of engraftment following the transplantation of hematopoietic progenitor cells (e.g., bone marrow) by short tandem repeat (STR) analysis and monitoring for rejection using gene expression analysis. This does not include cellular based assays for monitoring rejection or chemistry assays for determining immunosuppressive drug levels. The performance of fluorescence in situ hybridization (FISH) methodologies to monitoring engraftment requires a CQ in the Cytogenetics category.
- **ELIGIBILITY:**
  - Licensed physician with a total of four (4) years post-doctoral experience.
  - Earned doctoral degree holder with a total of four (4) years post-doctoral experience.

## **VIROLOGY**

- **DESCRIPTION:**
  - All aspects of virology testing including molecular tests, direct antigen detection of selected viruses, and isolation and identification of all viruses encountered in a clinical virology laboratory.
- **ELIGIBILITY:**
  - Licensed physician with board certification through the American Board of Medical Microbiology, American Board of Pathology in Medical Microbiology, or a total of four (4) years post-doctoral experience.
  - Earned Doctoral degree with board certification through the American Board of Medical Microbiology; or a total of four (4) years post-doctoral experience in the absence of board certification.

## **VIROLOGY – LIMITED TO ANTIGEN DETECTION AND MOLECULAR METHODS**

- **DESCRIPTION:**
  - Virology testing including molecular tests and direct antigen detection of selected viruses.
- **ELIGIBILITY:**
  - Licensed Physician with board certification through the American Board of Pathology in Clinical Pathology, or American Osteopathic Board of Pathology in laboratory medicine; or a total of four (4) years post-doctoral experience in the absence of board certification.
  - Earned Doctoral degree with board certification through the American Board of Bioanalysis as High Complexity Laboratory Directory with four (4) years post-doctoral experience; or a total of four (4) years post-doctoral experience in the absence of board certification.