

ALLISON CARLO

Clinical Laboratory Professional

Quality-driven laboratory professional with over 20 years experience as a licensed Medical Technologist in all 6 areas of the clinical lab.

EXPERIENCE

Deerfield Beach, FL
October 2017 - Present

Laboratory Manager

Cell Science Systems, Corp.

- Management of 20-25 clinical laboratory staff members
- Ensured compliance with all CLIA regulations
- Participated in AHCA inspections with zero deficiencies found
- Established, implemented, and maintained clinical laboratory procedures
- Organized an Alternative Assessment Performance Plan in compliance with proficiency testing regulatory standards
- Performed a variety of laboratory staff training and competency evaluations
- Implementation of new tests, testing methods, instrumentation, programs and procedures
- Provided technical expertise in the use, calibration, maintenance, and troubleshooting of all clinical laboratory equipment and instrumentation, programs and procedures
- Performed routine and specialized procedures in the areas of Molecular Pathology, Histocompatibility, General Immunology, Hematology, Routine Chemistry, and Endocrinology
- Performed automated isolation and purification of nucleic acids utilizing QIAGEN EZ1 Advanced XL
- Utilized QIAGEN QIAgility to perform automated polymerase chain reaction (PCR) and other molecular biology applications
- Performed Real-time and end-point thermal cycling using polymerase chain reaction (PCR) and high-resolution melting analysis (HRM)
- Performed Melt-Curve analysis result interpretation
- Genotype interpretation - HLA-DQ, COMT, MTR, MTHFR, MTRR, AHCY (multiple), and CROHN'S (multiple)
- Telomere testing

August 2016 - October 2017

Director of Quality Assurance

Anchor Diagnostics, LLC

- Consulted part-time from October 2017 to March 2018 to ensure readiness for CAP Accreditation - Granted in 2018
- COLA recertification in the areas of Toxicology, Routine Chemistry, and Urinalysis
- Performed routine and specialized procedures utilizing AB Sciex 4500MD LC/MS/MS (MultiQuant software), Agilent 6460 LC/MS/MS QQQ (Mass Hunter software), Tecan EvoWare, Beckman AU480 and AU640
- Validation of Assays (FDA Approved and Laboratory Developed Methods)
- Proficient with EP Evaluator

CONTACT INFORMATION

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Phone

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Nationality

Italian American

SKILLS

- Problem-Solving
- Leadership
- Mentoring
- Handling conflict
- Teamwork
- Comfortable with most LIS programs
- Proficient with MS Office

- Monitored laboratory equipment performance utilizing established quality standards
- Performed all Safety Management according to OSHA, FDA regulations, and CDC guidelines
- Developed Chemical Hygiene Plan and Bloodborne Pathogen Procedure
- Developed and maintained a document control procedure
- Established and monitored all proficiency testing policies and procedures
- Development and review of Quality Assurance Procedure and Plan
- Performed all Quality Assurance Reviews with corrective action implemented as needed
- Compiled all data necessary for the preparation of technical reports in response to deviations, root cause analysis (RCA), and risk assessment in measurement studies
- Implemented new assays, testing methods, instrumentation, and procedures
- Developed all LCMS preparation documents including preparation of Standards, Quality Control, Mobile Phase, Column change, etc.
- Ensured laboratory staff compliance with CLIA, COLA, CAP, and all safety regulatory agency regulations

Boca Raton, FL

October 2012 - August 2016

● **Laboratory Manager**

AML Diagnostics, Inc.

- Formally trained on Bruker Ion Trap, Siemens Advia Centaur XP immunoassay analyzer, Beckman Coulter AU680 open channel chemistry analyzer, Roche Cobas 4800 automated sample preparation and polymerase chain reaction (PCR) instrumentation, Sysmex XS-1000i hematology analyzer, Dynex DSX liquid handling system for ELISA methodology
- Orchard Harvest LIS super user formally trained in Carmel, Indiana
- Installed and validated Orchard's Harvest LIS
- Trained and utilized Agilent 6460 LC/MS/MS QQQ for Toxicology confirmatory analysis
- Validation studies performed for all Laboratory Developed Tests (LDTs) and 510K cleared assays in the areas of Endocrinology, Immunology, Routine Chemistry, Hematology, Toxicology, and Urinalysis.
- Zero deficiency inspections through COLA
- Supervised and participated in all testing procedures
- Assay/Method Program Writing utilizing the DSX Revelation software which automated over 30 ELISA/Microplate method assays
- Developed all Operating, Quality, and Troubleshooting Procedures
- Calibrated all ancillary laboratory equipment such as pipettes, thermometers, and timers
- Performed all Quality Assurance Review Audits
- Maintained laboratory supply inventory
- Provided extensive cost analysis of all laboratory tests and panels
- Proficient in the use of MS Word and Excel to create calibration data sheets accurately and efficiently based

upon instrument specifications and approved calibration procedures

- Performed Calibration Verification and Linearity studies for all analyzers per regulations
- HIPAA Audits and staff training performed as required by OCR

Boca Raton, FL

June 2010 - October 2012

● **Medical Technologist**

Boca Raton Regional Hospital

- Clinical Chemistry: Experience with Siemens RxL Dimension, Siemens Centaur XP, Urine/Serum Osmo, Ionized Calcium, Qualitative HCG, calibration and troubleshooting for all instrumentation, Quality Control, Linearity, CAP Surveys, Maintenance
- Toxicology: Experience with Sebia Hydrasis for electrophoresis and Bence Jones Protein procedures, Sebia Capillarys for electrophoresis, BN2 for special chemistry procedures, Olympus for therapeutic drugs and drugs of abuse, TOSOH G8 for Hemoglobin A1c, Confirmation of positive urine drug testing utilizing TLC, worked with Pathologists
- Hematology: Morphology Expert for 3rd shift, experience with Sysmex XE, Stago Coagulation Instrumentation, Iris Urinalysis, Mixing studies, Manual WBC Differentials, Manual Microscopic analysis of urinary sediment, Body Fluid analysis and manual counts, CSF manual counts, Urinary Eosinophil examination, Sedimentation Rates, Manual Retic counts, Albumin smears, Saline replacement, Body fluid differentials, Cytospin Prep analysis, Buffy coat prep and analysis, Kleihauer Betke testing for fetal maternal hemorrhage
- Blood Bank / Immunohematology: Experience with Biorad Tango instrumentation for ABO/Rh, DAT, Antibody Screen, Manual tube methods for ABO/Rh and antibody identification, Antigen testing, Warm auto-antibody and cold agglutinins testing, phenotyping, Processing and testing of PRBCs and fresh frozen plasma, Cryo preparation, Typing and testing units, Troubleshooting, Releasing units, Quality control, Computer and manual cross-matching, Emergency release of product, Cord blood testing, RhoGam Rosette testing, Determination of RhoGam amount and issuing of product, Inventory and maintenance
- Microbiology, Serology, and Molecular Pathology: Experience with plating specimens, Set-ups, Rapid MRSA PCR, Occult blood testing, Fecal WBC analysis, Gram stains, Blood cultures, Influenza testing (Strep A, Strep B), Mono-spot testing

Boynton Beach, FL

November 2009 - May 2010

● **Medical Technologist**

Bethesda Memorial Hospital

- Experience as a Medical Technologist in the Clinical Chemistry, Hematology, Coagulation, Urinalysis, Blood Bank, and Microbiology (plating specimens / set-ups, STAT testing, positive blood culture initial ID) departments

Hollywood, FL

● **Supervising Medical Technologist**

American Metabolic Testing Laboratories

March 2000 - December 2009

- Performed Special Chemistry procedures such as RIA and IRMA manual testing for tumor markers and endocrinology assays
- Testing HCG as a tumor marker
- Siemens Immulite 1 and Immulite 2000
- Phlebotomy
- Manufacturing and Lyophilization of Sigma PHI reagent and Trizma buffer
- COLA Inspection (100% for multiple surveys)
- Result and test evaluation
- Inventory for all assays and instruments
- Calibration, Linearity, Proficiency Testing, and Troubleshooting

Delray Beach, FL

● **Medical Technologist - Per Diem**
Delray Medical Center

- Clinical Chemistry - Per diem Medical Technologist

EDUCATION

Fort Lauderdale, FL
August 2004 - August 2006

● **Medical Laboratory Technology**
Broward College

Hollywood, FL
1998 - 2000

● **Clinical Laboratory Science Certificate**
Sheridan Vocational Technical Center

Orlando, FL
2017 - 2017

● **Certified Inspector**
College of American Pathologists (CAP)

CERTIFICATIONS & COURSES

State of Florida Medical Technologist Licensed in Clinical Chemistry, Hematology, Immunohematology, Molecular Pathology, Microbiology, and Serology - TN36710

HONORS & AWARDS

American Association of Bioanalysts (AAB) Award Winner Las Vegas: CEA v. CA 15.3: A Better Tumor Marker for Breast Cancer
