* Maintained lab by calibrating equipment and cleaning surfaces and items used.
* Cleaned and sanitized equipment and workstation in compliance with health and safety regulations.
* Created and updated record of all supplies and equipment to monitor inventory.
* Followed safety procedures when handling and disposing of hazardous chemicals.
* Properly calibrated and adjusted malfunctioning equipment to achieve precise test results.
* Prepared specimens for analysis and established proper chronological priorities in testing.
* Oversaw complete identification, confirmation and sensitivities on mycobacteriology and mycology specimens from both state and private facilities.
* Analyzed data to create and organize graphs, charts, and documents for publications and presentation.
* Demonstrated competence in collecting lab samples for testing.
* Conducted chemical analysis of bodily fluids and spent hemodialysis dialysate to determine actual values.
* Verified final products passed quality control standards before release.
* Conducted DNA, RNA and protein extraction and quantification using spectrophotometer and gel electrophoresis.
* Ordered supplies, obtained pricing and quotes, prepared purchase requests and maintained organized expense log.
* Managed specimen sample handling, receiving, storage and inventory.
* Performed both routine and emergency maintenance on laboratory instruments.
* Safely prepared reagents, compounds and lab test solutions.
* Executed hematological tests, including red and white blood cell counts, sickle cell tests, hemoglobin estimations, fragility tests, coagulation time and clot retraction time.
* Prepared specimens and performed Nissl and H&E staining.
* Implemented more efficient method of completing drug inventory to increase productivity across shifts.
* Regularly tested for inherited disorders, including sickle cell anemia, cystic fibrosis, craniosynostosis, skeletal dysplasias and surfactant-related respiratory disorders.