

Laboratory Assistant

Knowledge, Skill, Ability, and Personal Characteristic Statements Rating Results

K01	Knowledge of laboratory equipment for diagnostic testing.
K02	Knowledge of biological, chemical, and laboratory methods and procedures used in diagnostic sample analysis.
K03	Knowledge of biology of plants and plant pathogens life cycle of fungi, bacteria, and viruses.
K04	Knowledge of basic mathematics as used in laboratory functions.
K05	Knowledge of laboratory safety procedures (e.g. universal precautions, Personal Protective Equipment, spill kits, etc.) to maintain a safe working environment.
K06	Knowledge of Safety Data Sheets (SDS).
K07	Knowledge of operation and maintenance of laboratory equipment.
K08	Knowledge of sterile laboratory techniques.
K09	Knowledge of computer software programs (e.g., Word, Excel, PowerPoint, Outlook, etc.) for data entry, compiling data, creating spreadsheets, writing reports, and general correspondence.
S01	Skill to operate a personal computer and software (e.g., Word, Excel, PowerPoint, and Outlook) and/or other computerized equipment in order to perform daily duties.
S02	Skill to establish and maintain cooperative working relationships with those contacted during the course of work.
S03	Skill to operate various types of laboratory equipment such as: different types of microscopes; low speed centrifuge; fume and transfer hoods; autoclave; ELISA plate reader; KLECO macerator; Biolog processor; integra dose it; pH meter; pipettes; analytical balance; growth chambers; stirring machine/plate; water bath; cameras; and others.
A01	Ability to perform sterile technique to isolate a pathogen without contamination.
A02	Ability to clean and care for laboratory equipment/glassware.
A03	Ability to learn and apply basic laboratory methods and procedures.
A04	Ability to use and handle laboratory instrumentation, equipment, supplies, and chemicals including Safety Data Sheets (SDS).
A05	Ability to handle, package, and store laboratory specimens and materials.
A06	Ability to handle laboratory instruments and materials with dexterity to prevent injuries to oneself or others.
A07	Ability to do basic mathematic calculations as used in laboratory functions.
A08	Ability to follow and give directions orally and in writing to accomplish day to day activities.
A09	Ability to use a personal computer to input data, access information, and/or create materials and documents using a variety of software applications.
A10	Ability to effectively communicate information both orally and in writing, and provide direction in a clear, courteous, professional manner using appropriate tone, vocabulary, and grammar with department staff, the public, and other agencies.
A11	Ability to work independently and/or in a group to ensure a safe and secure work environment.