

Laboratory Assistant

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

KSAPC #	Knowledge, Skill, Ability, and Personal Characteristic Statements
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.
S04	Skill to perform sterile technique to isolate a pathogen without contamination.
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.

KSAPC #	Knowledge, Skill, Ability, and Personal Characteristic Statements
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.
A12	Ability to work independently and/or in a group to ensure a safe and secure work environment.
A13	Ability to work efficiently and effectively in a group in order to complete assigned tasks within reasonable or specified time periods.
A14	Ability to keep accurate and legible records per Standard Operating Procedures (SOP).
A15	Ability to work independently using sound judgment in handling daily activities with general supervision.
A16	Ability to sit or stand for long periods of time in order to effectively perform laboratory functions.
A17	Ability to distinguish colors, shapes, and sizes to effectively perform laboratory functions.
PC01	Willingness to maintain an orderly work environment.
PC02	Tact in dealing with supervisors and co-workers to maintain effective working relations.
PC03	Reliability in performance of laboratory functions with minimum supervision.
PC04	Accuracy, keenness of observation, attention to detail, and perceptiveness for laboratory work.
PC05	Aptitude and interest for laboratory work in order to successfully perform laboratory functions.

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PC06	Willing to adhere to safety policies and provisions such as wearing protective clothing or gear, protective eye wear, gloves etc. for long duration of time.
PC07	Willingness to do repetitive motion tasks such as: opening and closing small vials; pipetting samples; tearing and opening sealed sterile bags; cutting plant tissue; etc.
PC08	Willingness to work effectively as a team/group member.
PC09	Willing to lift 20-25 pounds.