



**Company:** Kula Bio

**Location:** Natick, MA

**Position title:** Quality Control Lead/Analyst

**Schedule:** Full Time

**Employee status:** Regular

**Organization:**

Kula Bio is a leader in sustainable nitrogen solutions, helping farmers improve crop yield and reduce environmental impact. We make a cost-competitive biofertilizer that boosts a naturally occurring process to deposit meaningful amounts of nitrogen in the soil.

We are looking for passionate, highly motivated and experienced professional to join our operations group at Kula Bio. The person will mainly work on characterizing the microbial product produced through process development experiments as well as production activities. He or she will also be working on improving current quality control assays as well as develop new assay or test methods for microbial product. The person will be closely working with manufacturing science and technology (MSAT) and production department to establish the process and product quality standards.

**Duties:** Lead the QC activities including

- 1) Prepare and test daily product and process metrics, analyze data and prepare reports.
- 2) Design, develop and validate accurate, cost effective and low turnaround time product testing methods
- 3) Establish standards for test methods and writing/revising SOPs and data records.
- 4) Responsible for troubleshooting of methods as well as instruments.
- 5) Work in close collaboration with MSAT and production team for day-to-day activities
- 6) Build future QC/QA team to support large scale production activities.

**Required Skills:**

- 1) Proficient in aseptic techniques (BSL1 and BSL2) for microbial growth as well as testing
- 2) Experience with aerobic as well as anerobic microbes
- 3) Expert in standard microbiological methods including media and plating, serial dilution, viable cell counting, microbial screening, microbial enumeration, staining etc
- 4) Extensive experience in molecular biological techniques including DNA extractions, sequencing, running gels, PCR methods including quantitative PCR
- 5) Effective organization, communication, and leadership skills
- 6) Ability to adjust to dynamic environment of startups and willingness to assist other departments.

**Good to have Skills:**

- 1) Understanding and experience with analytical chromatographic methods such as LC-MS, GC-MS or other methods
- 2) Previous experience working in a startup, agricultural business is a plus but not required.

**Educational qualification:**

B.S. in Microbiology, Environmental Biology, Biology, Biotechnology or related field with 6-7 years of relevant industrial experience or M.S with 3-4 years of relevant experience or Ph.D. with 1-2 years of experience

*If you are interested in this job, please email your cover letter to [admin@kulabio.com](mailto:admin@kulabio.com).*