

## **Quality Control Intern**

When you're part of the team at Thermo Fisher Scientific, you'll do important work. You'll have the opportunity to grow and learn in a culture that empowers your development. We have built an inclusive, global environment that values diverse talent and fosters innovation.

Our internship program offers hands-on experience in a pharmaceutical environment, allowing you to apply your academic knowledge to real-world microbiological and quality challenges. You will be part of a team supporting activities that ensure products meet the highest standards of microbiological quality and patient safety.

## **Summary of Internship**

This internship is designed for students in biology, microbiology, biotechnology, pharmacy or related life sciences who are interested in gaining practical experience in a pharmaceutical microbiology and quality environment.

You will gain exposure to how microbiological testing, contamination control, and regulatory requirements are applied in industry, and how these contribute to the release of safe and compliant products.

## **Internship Opportunities – Key Learning Areas**

### Pharmaceutical Microbiology Fundamentals

- Understand how bioburden, sterility, and endotoxins impact product quality
- Gain exposure to routine microbiological testing performed in pharmaceutical laboratories
- Learn the principles of aseptic techniques and contamination control

### Environmental Monitoring & Cleanroom Practices

- Get familiar with cleanroom classifications and behaviors
- Support activities related to environmental monitoring (air, surfaces, personnel)
- Understand how EM data is used to ensure control of manufacturing areas

### Sterility Assurance & Filtration

- Learn the basics of sterile filtration and aseptic processing
- Understand how microbiological risks are controlled during production
- Gain insight into validation concepts related to sterility assurance

### Microbiology & Quality Documentation (GMP)

- Support the review and organization of documentation related to:
  - microbiological testing (bioburden, EM, endotoxins, sterility)
  - deviations and investigations
- Learn how GMP documentation is structured and maintained

#### Introduction to Regulatory Expectations

- Understand how microbiological data supports regulatory submissions
- Gain basic knowledge of FDA/EMA expectations on microbiological quality
- Contribute to documentation used for regulatory compliance

#### Essential Functions

- Support routine activities related to microbiological quality and contamination control
- Assist in reviewing data from bioburden, endotoxin and environmental monitoring tests
- Collaborate with Quality Control Microbiology, QA and Production teams
- Contribute to GMP documentation, including data entry, review and organization
- Support investigations of microbiological deviations (with supervision)
- Participate in maintaining compliance with aseptic practices and cleanroom procedures
- Learn how to interpret microbiological results in a pharmaceutical context
- Perform tasks aligned with your academic background and training level

#### Qualifications

- Student currently enrolled in a Bachelor's or Master's degree in Biology, Microbiology, Biotechnology, Pharmacy or similar
- Basic understanding of:
  - Microbiology (microorganisms, growth, contamination)
  - Laboratory practices (e.g. sterile technique)
- Laboratory experience (university labs, thesis, internships) is preferred
- Interest in working in a pharmaceutical or biotech environment

- Strong attention to detail and willingness to follow procedures
- Good organizational and teamwork skills
- Willingness to learn and grow in a structured, regulated environment

**Thermo Fisher Scientific is an EEO/Affirmative Action Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, disability or any other legally protected status.**

**This position is a curricular internship within the Chlorophyll Program's 2025. It offers a unique opportunity to gain valuable experience and enhance your skills in a dynamic and innovative environment.**

**To apply, please submit your CV in English. Join us in shaping the future and advancing your career through this exceptional internship program.**