



TRAINING THAT DEVELOPS
REAL CAPABILITY



Cleanroom Microbiology

LS011

Cleanroom Microbiology

Many companies do not have their own dedicated microbiologist on site and in this case, various departments acquire responsibility for looking after the establishment and maintenance of the environmental monitoring and product testing. Personnel often are unsure of the exact regulatory requirements with regard to the testing required, how best to perform the testing so as to gain the most relevant and appropriate data, how to interpret the results, and understand the severity of the impacts the result may have on the safety and quality of the final product.

Very often environmental controls such as the microbiological and particle testing are viewed as something that has to be addressed, however the real understanding of why and how this monitoring should be performed and the interpretation of the results and data is often not thought out effectively. What is best practice? How does the information gained compare to the cost of all this monitoring?

Duration & Price

Duration: 1 day

Public Virtual Training: £345

Delivery mode: This programme is available In-Company, and via Public Virtual Training

Dates & Locations

Date	Venue	Book Date
29 Sep 2025	Virtual	

In-Company Training

Please [contact us](#) for more information on our In-Company training options

What's covered?

The programme offers the participants, an opportunity to work together in establishing an effective environmental monitoring plan in compliance with the ISO standards and exploring challenges, solving problems and finding solutions to microbial issues that could potentially have an impact on the final product and in turn on the business and people working within it.

- Environmental Monitoring Program
 - Choice of Microbiological Sampling
 - Sampling Locations based on risk assessment
 - Sampling Map
 - Sampling Frequency
 - Alert & Action Limits
 - Interpretation of Results
 - Out of Spec Results
 - Investigations
 - Reporting Trending & Documentation Systems
- Particulate Monitoring
- Cleanroom audit awareness
- Bioburden Sampling
- LAL Sampling
- Feedback

This training programme is very interactive, constantly encourages feedback from the participants and applies various, different training methods and styles to deliver the key messages effectively e.g. discussions, group activities and practical exercises. Participants are given the opportunity to learn how to perform a cleanroom audit on their own cleanroom facility and become aware of what areas and behaviours are of potential concern with regard to contributing to contamination levels. On finishing the course, participants must complete in detail, an out of spec investigation.

Who should participate?

Any person in the organisation who has responsibility for :

- Looking after the cleanroom testing i.e. microbial, particulate or product testing, establishing limits and/or completing out of spec investigations
- Personnel working within the cleanroom on a regular basis, as they are the eyes on the ground to help identify the root cause of out of spec results.

In order for personnel to participate in the completion of investigations they must understand why this monitoring is performed and have an awareness of how significant levels of contamination can enter the cleanroom in order to cause these out of spec results.

What will I learn?

Participants achieve the following learning outcomes from the programme;

- Understand the requirements and purpose of microbial testing.
- Understand the regulatory requirements as detailed in ISO14698 and ISO 14644
- Set up and maintain an effective Environmental Monitoring Plan
- Trend results appropriately
- Establish alert and action limits
- Interpret the results and define the impacts correctly.
- Manage out of spec results
- Investigate current issues/out of spec results where required
- Document investigations clearly
- Prescribe appropriate corrective action

Tutors



Kevina O'Donoghue
[View Profile](#)

What Our Learners Say

We believe in excellence through transparency and continuous improvement. That's why we invite all our delegates to share their experiences on [CourseCheck.com](https://www.coursecheck.com), an independent platform dedicated to genuine, unfiltered feedback. Learner insights help us not only to enhance our training programmes but also empower potential learners to make informed decisions. Click on the link below to read firsthand experiences and testimonials from past learners.



[Click Here](#)



TRAINING THAT DEVELOPS *REAL* CAPABILITY

SQT provide a unique combination of high quality, accredited, practical training delivered by leading industry experts and supported by the most up to date learning technology and tools

LEAN SIX SIGMA, PROCESS & PROJECT MANAGEMENT

- Lean Six Sigma
- Join our Lean Six Sigma Network
- Continual Process Improvement
- Project & Programme Management

COMPLIANCE, STANDARDS & AUDITING

- Quality
- Environment & Energy Management
- Health & Safety
- Food Safety
- Life Sciences
- Laboratory
- Integrated Management Systems

LEADERSHIP & PERSONAL DEVELOPMENT

- Leadership & Personal Development
- Train the Trainer



SQT Training Ltd. | T: +353 61 339040 | E: info@sqt-training.com
W: sqt-training.com



Please follow us on social media for relevant news, events and updates