

Provide a list of resources and links for information, resources and certification for cleanroom environments

Cleanroom environments are critical in various industries, including pharmaceuticals, biotechnology, and electronics, to maintain controlled levels of contamination. Below is a curated list of resources offering information, training, and certification related to cleanroom environments:

1. Institute of Environmental Sciences and Technology (IEST)

www.iest.org

- Cleanroom Fundamentals Certificate: Offers courses on cleanroom testing and monitoring, aligned with ISO 14644 standards.
- Guides to ISO 14644 Standards: Provides technical guides complementing ISO 14644 standards for cleanrooms.

2. International Society for Pharmaceutical Engineering (ISPE)

ispe.org

- Pharmaceutical Cleanroom Design & ISO 14644-16: Discusses cleanroom design considerations and standards for pharmaceutical applications.

3. Cleanroom Testing and Certification Board International (CTCB-I)

ctcbi.net

- Training and Certification Programs: Offers comprehensive training covering cleanroom design, testing, monitoring, and operations.

4. University of California, Santa Barbara (UCSB) Professional and Continuing Education

www.ucsb.edu/academics/professional-and-continuing-education

- Cleanroom Training: Provides hands-on training in cleanroom processes, including photolithography, deposition, and etching.

5. Cleanroom World

cleanroomworld.com

- Cleanroom Training Courses and Videos: Offers resources on setting up and operating cleanrooms, including equipment and apparel selection.

6. Controlled Environment Testing Association (CETA)

www.cetainternational.org

- Certification Programs: Provides certification for cleanroom professionals, focusing on testing and certification of controlled environments.

7. National Environmental Balancing Bureau (NEBB)

www.nebb.org

- Cleanroom Performance Testing Certification: Offers certification programs for professionals in cleanroom performance testing.

8. STERIS Life Sciences

www.sterislifesciences.com

- Equipment and Cleanroom Certification Services: Provides on-site testing and certification services to ensure compliance with industry standards.

9. Allied Cleanrooms

alliedcleanrooms.com

- Cleanroom Certification Process Guide: Offers insights into the cleanroom certification process, including testing and maintenance.

10. CleanAir Solutions

www.cleanair-solutions.com

- Cleanroom Certification Process Guide: Provides a step-by-step guide to understanding the cleanroom certification process.

These resources offer a comprehensive foundation for understanding, training, and obtaining certification in cleanroom environments.