

Continuous Contamination Control for Critical Environments

Good Manufacturing Practice (GMP) is paramount to pharmaceutical production.

At UV Medico, we deliver Far-UVC solutions that actively prevent microbial contamination in aseptic pharmaceutical production lines—minimizing costly deviations and maximizing operational uptime.

Our proven and validated product portfolio is based on human-safe Far-UVC technology and improves contamination control in all critical areas within the cleanroom. This ranges from decontamination of materials and personal entering the cleanroom to microbial reduction of air and surfaces throughout every critical area.



Continuous Microbial Control during Live Production

Annex 1 calls for continuous, demonstrable control of viable contamination during gowning, material transfers, and filling.

Most decontamination methods are intermittent or indirect, leaving gaps where contamination can re-establish.

Far-UVC (222 nm) closes these gaps by providing continuous microbial suppression in occupied spaces, during real operations—not just between them.

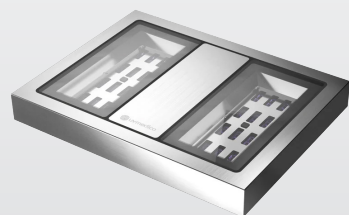
Why UV Medico

- Continuous decontamination in occupied spaces
- Fast, broad microbial efficacy both in air and on surfaces
- Targets major contamination sources: PPE, footwear, materials, equipment, and transfer points
- Deployed in live GMP production – no workflow change
- Prevents rebound between cleaning cycles
- Chemical-free / Mercury free
- Compliant with International Safety Standards

Far-UVC is implemented as an additional contamination control measure alongside established GMP controls.

It functions as an add-on contamination control layer, reducing viable microorganisms in occupied cleanroom areas where existing methods do not operate—bridging the gap between scheduled cleaning and disinfection during routine production activities.

Far-UVC Solutions for Aseptic Manufacturing



Challenge: Personnel introduces contamination to cleanrooms

UV222 Step-On

Targeted decontamination of cleanroom footwear outsoles at critical entry points.

UV222 Booth

Touchless **3-log** reduction of bioburden on fully gowned operators prior to cleanroom entry in only 20 seconds.



Challenge: Material and Equipment Transfers Increase Microbial Load

UV222 Material Airlock

360° Far-UVC treatment to reduce surface bioburden during equipment transfer into higher-grade areas.

UV222 Pass-Through Box

Programmable for safe, rapid disinfection of cleanroom equipment



Challenge: Continuous Contamination Risk During Occupied Production

UV222 Cleanroom Downlight

Ceiling-integrated Far-UVC for continuous air and surface bioburden control in changing rooms and production areas.

UV222 Dual Downlight



Ready to Evaluate Your Facility?

We provide customized 3D room renderings to model Far-UVC integration within your exact production environment. Our team works with you to provide a data-driven proposal tailored to your layout, workflows, and contamination risks.

Contact us at info@uvmedico.com.



Scan & visit
uvmedico.com/cleanroom

All UV222 units from UV Medico support continuous, duty-cycle, or motion-activated operation to align with process risk and Annex 1 requirements.

In compliance with international standards and guidelines:

ISO 15858 UV-C Devices – Safety information – permissible human exposure.

IEC 62471 Photobiological safety of lamps and lamp systems.

IEC PAS 63313 ED1 Position statement on germicidal UV-C irradiation –UV-C safety guidelines (see GLA).

ACGIH® 2021 TVL (Threshold Limit Values) & BEI (Biological Exposure Indices) for chemical substances and physical agents.

