## Cleanroom Contamination Control:

**CLEANING PROCEDURES** CLEANROOM

AND PPE

Cleanroom contamination poses serious health risks. Here is an overview of cleaning and PPE basics.



## **COMMON SOURCES OF CONTAMINATION**



**Clothing Fibers** 



Contaminated Air



**Dust Particles** 

**Dirty Surfaces** 



Flaking Paint



Gases



lons

Human Hair



Microorganisms



Molecules



**Rusty Pipes** 

CLEANING PROCEDURES

Always use cleanroom-specific cleaning materials.

Clean equipment and lenses as need.

Clean ceiling with detergent periodically.

- Vacuum ceilings daily.

Mop floors and vacuum dry before every shift.

- Vacuum walls with HEPA filter daily.



Gloves

Gowns

Hairnets

Shoes and Shoe Covers

the proper products for:

Face Masks

Aprons

**Beard Covers** 

- Lab Coats
- Sleeves
- Re-usable garments must be laundered and sterilized after each use.
- Source: int-enviroguard.com/blog/cleanroom-classifications

Frocks

Source: beta-static.fishersci.com/content/dam/fishersci/en\_US/documents/programs/scientific/technical-documents/whitepapers/kimberly-clark-contamination-risks-white-paper.pdf

**CONTAMINATION CONTROL TIPS** 

Re-usable garments degrade over time, allowing particles to penetrate.

## Keep a separate inventory of cleanroom cleaning items. Move slowly to prevent air turbulence.

- Never block HEPA filter air. Never wear cosmetics.
- Practice proper hygiene at all times. Remove all PPE equipment and clothing properly.
- Replace soiled clothing immediately.

Wipe spills immediately.

- Store or cover all equipment after each shift and during long work interruptions. Train employees thoroughly in cleanroom cleaning procedures.



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