



Posted on [February 5, 2019](#) by [Dan Siefferlen](#) – [Leave a comment](#)

Clean Room Gowning Procedure

Step By Step

Cleanroom gowning procedures, and the extent to which one needs to gown up, differ depending on clean room class and application. For example in ISO Class 7 or ISO Class 8 clean rooms, frocks are often acceptable. However in ISO Class 5 or ISO Class 6 (or cleaner) clean rooms: coveralls, hoods, gloves, and shoe covers (also known as booties) are required. Precaution should be observed to assure that no sterile surfaces contact non-sterile surfaces during gowning, processing, or cleaning.

The following table indicates which garment elements are recommended for each specific class of clean room.

Table 1: ISO Level Requirement Table

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Product	Image	ISO 8 Class 100,000	ISO 7 Class 10,000	ISO 6 Class 1,000	ISO 5 Class 100	ISO 4 Class 10
Face Masks / Veils		<input checked="" type="checkbox"/> Suggested	<input type="checkbox"/> Suggested	<input type="checkbox"/> Suggested	Yes	Yes
Beard Covers		Yes	Yes	Yes	Yes	Yes
Hair Nets		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	Yes	Yes
Shoe Covers		Suggested	Yes	Yes	Yes	Yes
Gloves		Suggested	Suggested	Yes	Yes	Yes
Frock		Yes	Yes	SD	SD	SD
Hood		SD	SD	SD	Yes	Yes

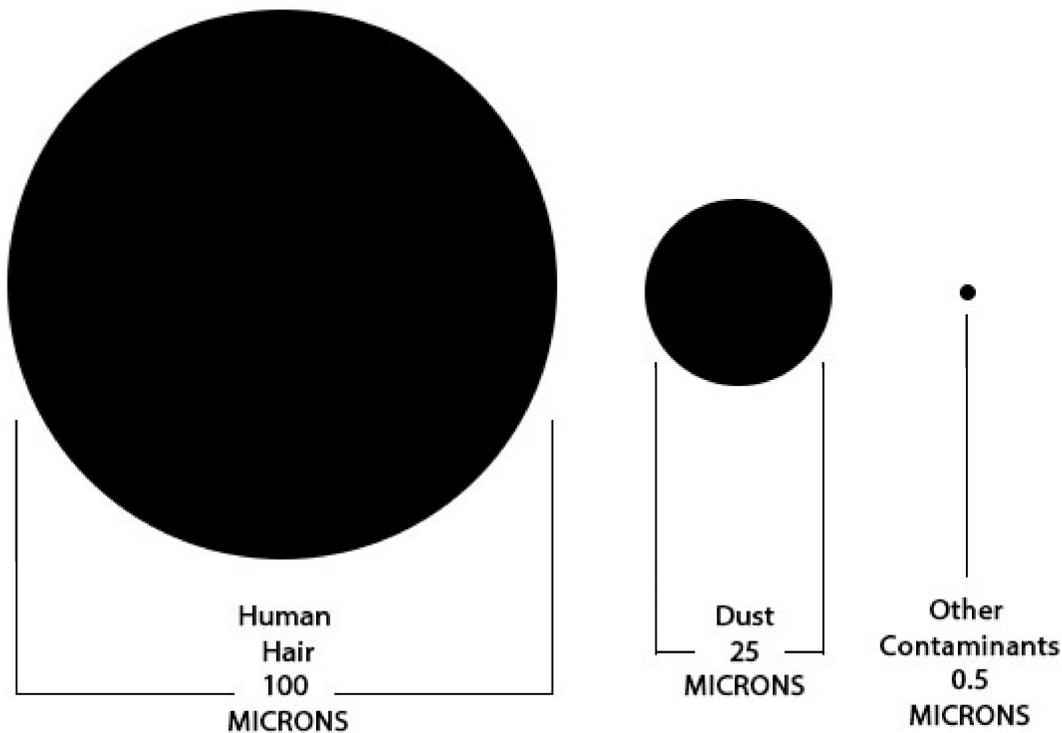
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Suggested
 SD
 SD
 SD
 Suggested
 Yes
 Yes

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Product	Image	ISO 8 Class 100,000	ISO 7 Class 10,000	ISO 6 Class 1,000	ISO 5 Class 100	ISO 4 Class 10
Coverall Suit		SD	SD	SD	Yes	Yes

1. Yes - Recommended (per IEST standards)
2. NR - Not recommended (per IEST standards)
3. SD - Situation dependent / Application specific (per IEST standards)
4. Suggested - Suggested based on the collective experience by the working group



Here Is A Basic Gowning Procedure

1. **Wash and dry hands thoroughly; remove all jewelry.**
2. **Bouffant Cap** - Use a bouffant cap to completely cover your hair.
3. **Cleanroom Sticky Mat** - Walk on the mat to remove dirt from your shoes, and roll any carts entering the cleanroom over the mat.
4. **Shoe Covers** - Place your shoe cover over your entire shoe and cover your laces.
5. **Cleanroom Gloves** - Some cleanrooms require that you use gloves while dressing. If that is required, then this will be the first of two sets.
6. **Face Mask** - Bend so that your mask fits comfortably on your face
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7. **Hood** - Put a hood over your mask and ensure that your face/neck seal is not exposed

8. **Coverall** – Step into your coverall, making sure that your sleeves and upper garment do not touch the floor or walls. Tuck your hood panels inside your coverall before zipping up
9. **Boot Covers** – Place the first boot cover over the leg of your coveralls. Put on your boot, and step that foot into the “clean” side of the gowning area. Place the other boot cover over your other leg before completely entering the “clean” side.
10. **Eye Protection** – Put on goggles if your cleanroom requires eye protection.
11. **Cleanroom Gloves** – If the second set of gloves are required, put on over the first set of gloves or remove first set and then put on cleanroom gloves. Make sure gloves cover the cuff of the sleeve.

Clean room gloves are worn for one of two reasons: to protect the wearer from exposure to dangerous or irritative substances, and/or to protect cleanroom products from contaminants introduced through operators, equipment, or airborne particles.

Pharmaceutical manufacturers will generally require sterile gloves with clean room designated packaging. Clean room glove packaging features a polyethylene, easy open packaging which is washed with deionized water, assembled, and then packaged for delivery inside a cleanroom.

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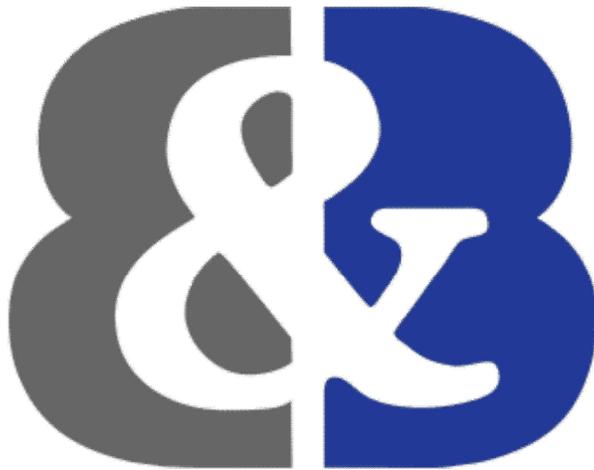
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Clean Rooms and Static Control

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