



Controlled Environment Solutions

Cleanroom Wipes

Personal Protection

Cleanroom Liquid Cleaners

Cleanroom Paper

Cleanroom Tacky Mats

Sterilization Pouches

Cleanroom Absorbent Mat

Surface Cleaning Tools





Products Specially Developed to for Cleanrooms

What is a cleanroom?

A cleanroom is a controlled environment where airborne particulate matter such as dust, microbes, and aerosol particles are filtered out to provide a certain level of cleanliness. This control is achieved by air pressure and filters. Positive pressure keeps new particles from entering the clean area. The fewer the particles, the cleaner the room is. In order to prevent particles from getting into the environment, everything that enters the environment needs to be cleaned or covered.

Cleanroom Classifications

Generally cleanrooms are classified by how many particles are found in a cubic foot of space. ISO defines nine different cleanroom classifications, ranging from ISO 1 to ISO 9. The most common cleanrooms fall somewhere in the ISO 5 to ISO 8 range. ISO 4 at any given time has 352 particles in a cubic foot of air and an ISO 8 cleanroom has 3.5 million. A typical room has 35 million particles circulating in the air.

ISO 5 (Class 100) Cleanroom

Walls, floors, and ceilings should be non-porous/smooth and absolutely no linting fabric is permitted. Personnel would typically be wearing beard covers, face masks, shoe covers, gloves, hair nets, and coveralls. Gloves used in these environments should be removed from the cardboard box before they are brought in the cleanroom. Gowning is performed outside of the cleanroom. Polyester sealed-edge cleanroom wipes are commonly used in these environments. Certain poly-cellulose and polypropylene cleanroom wipes can also be used in some circumstances.

ISO 6 (Class 1,000) Cleanroom

Walls, floors, and ceilings should be non-porous/smooth and absolutely no linting fabric is permitted. Personnel would typically be wearing beard covers, shoe covers, hair nets, and coveralls. Poly-cellulose, polypropylene, polyester, and cotton cleanroom wipes can be used in these environments.

ISO 7 (Class 10,000) Cleanroom

Walls, floors, and ceilings should be non-porous/smooth and absolutely no linting fabric is permitted. Personnel would typically be wearing beard covers, hair nets or bouffant caps, and lab coats. Shoe covers might also be worn in some environments. Poly-cellulose, polypropylene, polyester, and cotton cleanroom wipes can be used in these environments.

ISO 8 (Class 100,000) Cleanroom

Walls and floors should be non-porous/smooth, and no carpeting or fabric cushioned chairs should be used. Personnel would typically be wearing beard covers, hair nets or bouffant caps, and lab coats. Poly-cellulose, polypropylene, polyester, and cotton cleanroom wipes can be used in these environments.

| Cleanroom Classifications* | | | | | | | |
|----------------------------|-------------------------|---|---------|---------|------------|-----------|---------|
| Class | FED STD 209E Equivalent | Maximum concentration limits (particles/m ³ of air for particles equal to and larger than the sizes listed below.) | | | | | |
| | | 0.1 | 0.2 | 0.3 | 0.5 | 1.0 | 5.0 |
| ISO 1 | | 10 | 2 | | | | |
| ISO 2 | | 100 | 24 | 10 | 4 | | |
| ISO 3 | 1 | 1,000 | 237 | 102 | 35 | 8 | |
| ISO 4 | 10 | 10,000 | 2,370 | 1,020 | 352 | 83 | |
| ISO 5 | 100 | 100,000 | 23,700 | 10,200 | 3,520 | 832 | 29 |
| ISO 6 | 1,000 | 1,000,000 | 237,000 | 102,000 | 35,200 | 8,320 | 293 |
| ISO 7 | 10,000 | | | | 352,000 | 83,200 | 2,930 |
| ISO 8 | 100,000 | | | | 3,520,000 | 832,000 | 29,300 |
| ISO 9 | | | | | 35,200,000 | 8,320,000 | 293,000 |



Our best selling Controlled Environment Solutions are marked with this symbol.

Types and Benefits of Wipe Materials

Polyester

Polyester material yields exceptional durability and cleanliness. Edges can be thermally sealed to prevent loose ends and linting. Additional measures can be taken to further enhance cleanliness such as washing and processing / packaging the wipe in a cleanroom. Polyester wipes with sealed edges are commonly used in ISO 3-4 (Class 1-10) Cleanrooms, Polyester wipes without sealed edges can be used in ISO 5-6 (Class 100-1,000) Cleanrooms.

Polyester/Cellulose Blends

These wipes can be engineered to meet unique requirements. Polyester/Cellulose blends are clean, absorbent, and an economic choice. Like polyester wipes, this material can be cleanroom processed to enhance cleanliness. They are common in ISO 5-8 (Class 100-100,000) Cleanrooms.

Polypropylene

Polypropylene is soft, non-abrasive, and solvent resistant. It's suitable for wiping sensitive surfaces and components. Polypropylene can be cleanroom processed and washed to further enhance cleanliness. It can be presaturated with a variety of solvents, sterilized, and cut to any size. Common for ISO 6 (Class 1000), in some cases ISO 5 (Class 100) Cleanrooms.

| Minimum Wipe Recommendations* | | | | | |
|-------------------------------|-----------------------|----------------------|---------------------|-------------------|------------------|
| | ISO 8 (Class 100,000) | ISO 7 (Class 10,000) | ISO 6 (Class 1,000) | ISO 5 (Class 100) | ISO 4 (Class 10) |
| Nonwoven Poly-Cellulose | ● | ● | ● | ● | |
| Polypropylene | ● | ● | ● | ● | |
| Polyester Knit | | | ● | ● | |
| Polyester, Sealed Edges | | | | | ● |

* These diagrams are a recommendation only. Follow your specific cleanroom or company procedural manual before this guide. The information supplied is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed, including without limitation any warranty of merchantability and fitness for use. All users of the material are responsible for assuring that it is suitable for their needs, environment and end use. All data is subject to change as deemed appropriate.

Cleanroom Wipes

Dry Cleanroom Wipes

- Our cleanroom wipes are made from the lowest-linting substrates including nonwoven poly-cellulose and polyester
- They are manufactured with materials that are free of bonding agents, adhesives or chemical additives
- With options for ISO Class 3 (Cleanroom Class 10) to ISO Class 7+ (Cleanroom Class 10,000), there is a wipe for virtually any cleanroom environment.



Additional sizes for Cleanroom Wipes are available



Dry Non-Sterile Wipes

| Item | Packaging | Size | Selling Unit |
|---|-----------|-----------|---------------------------|
| NOVA-TECH® Wipes (ISO Class 5-6) | | | |
| Nonwoven Poly/Cellulose Spunlace Cleanroom Wipes - Made in USA | | | |
| NT1-44 | Bag | 4" x 4" | 1200 wipes/bg - 12 bgs/cs |
| NT1-99.12 ★ | Bag | 9" x 9" | 300 wipes/bg - 12 bgs/cs |
| NT1-1212 | Bag | 12" x 12" | 150 wipes/bg - 14 bgs/cs |
| VISION 20® Wipes (ISO Class 5) | | | |
| Heavy Weight (140 GSM) Monofilament Polyester Knit Cleanroom Wipes, Knife Cut Edges | | | |
| VS20-99 ★ | Bag | 9" x 9" | 150 wipes/bg - 10 bgs/cs |
| VS20-1212 | Bag | 12" x 12" | 100 wipes/bg - 10 bgs/cs |
| ULTIMATE 70® Wipes (ISO Class 3-4) | | | |
| Heavy Weight (140 GSM) Monofilament Polyester Knit Cleanroom Wipes, Sealed Edges | | | |
| ULT70-99 ★ | Bag | 9" x 9" | 150 wipes/bg - 10 bgs/cs |

Dry Sterile Wipes

| Item | Packaging | Size | Selling Unit |
|--|-----------|-----------|---|
| COBALT BLUE® Wipes (ISO Class 5-6) | | | |
| Validated Sterile Nonwoven Cleanroom Wipes | | | |
| NT1-99CB | Bag | 9" x 9" | 25 wipes/bg, 6 bgs/master bg - 10 master bgs/cs |
| NT1-1212CB | Bag | 12" x 12" | 20 wipes/bg, 6 bgs/master bg - 7 master bgs/cs |

GRAB-EEZ® Cleanroom Wipes and Dispenser

- New stainless steel construction
- Redesigned cover makes loading wipes easier
- Optional plastic shield protects wipes inside
- Unique double C-fold wipes dispense one-at-a-time to eliminate contamination and waste
- ISO Class 5 (Class 100) Cleanroom Compatible
- Eliminates wasteful wipe usage and cross-contamination



| Item | Description | Size | Selling Unit |
|------------|--|---------|--------------------------|
| GE-NT1-99 | Nonwoven Poly/Cellulose Cleanroom Wipes - Made in USA | 9" x 9" | 150 wipes/bg - 12 bgs/cs |
| GE-DISP-SS | Cleanroom Wipe Dispenser, Stainless Steel – suitable for use in ISO Class 5 (Class 100) cleanrooms | - | 1 each |

Pre-saturated Cleanroom Wipes

- Reduce the use of squirt bottles and dipping cans
- Reduce the amount of isopropyl alcohol used
- Use the exact percentage of IPA each application
- More even distribution of alcohol on the wipe and hence the wiping process
- Fewer VOCs (Volatile Organic Compounds)
- Safer to use, ship, and store than flammable liquids
- Convenience: No pouring, spraying, filtering, or diluting



A 70% concentration of ethanol or isopropyl alcohol has been demonstrated to be the most effective. Water acts as a catalyst and plays a key role in denaturing the proteins of vegetative cell membranes. The water content slows evaporation, therefore increasing surface contact time and enhancing effectiveness.
<https://ehs.umich.edu/wp-content/uploads/2020/05/70-alcohol-FAQs.pdf>

Pre-saturated Non-Sterile Wipes

| Item | Packaging | Size | Selling Unit |
|---|-----------------|-----------|----------------------------------|
| FREE-SAT™ Wipes (ISO Class 5+) | | | |
| (70% IPA/30% DI Water) Polyester/Cellulose, Absorbent & Non-Shedding | | | |
| FS-NT1-77 ★ | PVC Plastic Tub | 7" x 7" | 100 wipes/tub - 12 tubs/cs |
| FS-NT1-69-9C | Canister | 6" x 9" | 100 wipes/roll, 9 canisters/case |
| FS-NT1-99 | Bag | 9" x 9" | 75 wipes/bg - 12 bgs/cs |
| (70% IPA/30% DI Water) Polypropylene, Non-Abrasive & Solvent Resistant | | | |
| FS-NTP-911 | Bag | 9" x 11" | 50 wipes/bg - 24 bgs/cs |
| (85% IPA/15% DI Water) Polypropylene Non-Abrasive & Solvent Resistant | | | |
| FS-NTP-1711.85 | Bag | 17" x 11" | 50 wipes/bg - 20 bgs/cs |
| SELECT-SAT® Wipes (ISO Class 5+) - Create Your Own Pre-saturated Non-Sterile Wipes | | | |
| Dry Nonwoven Cleanroom Wipes - Ready for Custom Saturation, Absorbent & Non-Shedding | | | |
| SS-NT1-77 | PVC Plastic Tub | 7" x 7" | 100 wipes/tub - 12 tubs/cs |



Pre-saturated Sterile Wipes

| Item | Description | Size | Selling Unit |
|---|--|----------|-------------------------|
| COLBALT BLUE® Wipes (ISO Class 5+) | | | |
| FS-NTP-911.35CB | Sterile Polypropylene Wipes Saturated With 70% IPA / 30% DI Water In Resealable Bags, Non-Abrasive & Solvent Resistant | 9" x 11" | 35 wipes/bg - 20 bgs/cs |
| FS-NT1-912.35CB | Sterile Non-Woven Polyester Wipes Saturated With 70% IPA / 30% DI Water in Resealable Bags | 9" x 12" | 35 wipes/bg - 20 bgs/cs |

Personal Protection

Bee-Safe® Bouffant Caps

- Polypropylene nonwoven construction
- Soft and comfortable
- Breathable for long periods of wear
- Elastic band for secure fit



| Item # | Size | Color | Selling Unit |
|----------------|------|-------|--------------------|
| GAH-BP-21-WH | 21" | White | 100/bg - 10 bgs/cs |
| GAH-BP-21-BL | 21" | Blue | 100/bg - 10 bgs/cs |
| GAH-BP-24-WH ★ | 24" | White | 100/bg - 10 bgs/cs |
| GAH-BP-24-BL ★ | 24" | Blue | 100/bg - 10 bgs/cs |
| GAH-BP-28-WH | 28" | White | 100/bg - 10 bgs/cs |
| GAH-BP-28-BL | 28" | Blue | 100/bg - 10 bgs/cs |

Bee-Safe® Beard Covers

- Polypropylene nonwoven construction
- Soft and comfortable
- Non-linting
- Elastic band for secure fit and closure
- Lightweight



| Item # | Size | Color | Selling Unit |
|------------|------|-------|--------------------|
| GAH-BRD-WH | 18" | White | 100/bg - 10 bgs/cs |

Bee-Safe® Polypropylene Hood

- Provides complete head coverage
- Made of lightweight, low-linting and breathable polypropylene material
- Latex-free



| Item # | Size | Color | Selling Unit |
|-------------|----------|-------|--------------------|
| GAH-HOOD-WH | One Size | White | 100/bg - 10 bgs/cs |
| GAH-HOOD-BL | One Size | Blue | 100/bg - 10 bgs/cs |

Bee-Safe® Shoe Covers

Polypropylene Shoe Cover Features

- Low-linting nonwoven fabric helps filter particulates for contamination control
- Non-skid base features a wide traction pattern for enhanced grip
- Elastic band gives secure yet comfortable fit around the shoes

Super Sticky Polyethylene

Coated Shoe Cover Features

- Super sticky base to reduce slipping and sliding
- Light liquid splash protection / water resistance
- Latex-free elastic edges to minimize allergic reactions; seamless



| Item # | Size | Color | Selling Unit |
|---|---------|-------|-------------------|
| Polypropylene Shoe Covers - 40 GSM | | | |
| GAH-SP-NS-LG | Large | Blue | 100/bg - 3 bgs/cs |
| GAH-SP-NS-XL | X-Large | Blue | 100/bg - 3 bgs/cs |
| GAH-SP-NS-2XL | 2-XL | Blue | 100/bg - 3 bgs/cs |

Super Sticky Polyethylene Coated Shoe Covers

| | | | |
|-------------|---------|-------|-------------------|
| GAH-SC-S-LG | Large | White | 100/bg - 3 bgs/cs |
| GAH-SC-S-XL | X-Large | White | 100/bg - 3 bgs/cs |

Pharma-Coat® Disposable Lab Coat

- Non-shedding
- Spunbond polypropylene
- Elastic wrists
- No Pockets
- ISO Class 7-8



| Item # | Size | Color | Selling Unit |
|--------------|------|-------|------------------|
| PCOAT797-S | S | White | 10/bg - 3 bgs/cs |
| PCOAT797-M | M | White | 10/bg - 3 bgs/cs |
| PCOAT797-L | L | White | 10/bg - 3 bgs/cs |
| PCOAT797-XL | XL | White | 10/bg - 3 bgs/cs |
| PCOAT797-2XL | 2XL | White | 10/bg - 3 bgs/cs |
| PCOAT797-3XL | 3XL | White | 10/bg - 3 bgs/cs |
| PCOAT797-4XL | 4XL | White | 10/bg - 3 bgs/cs |
| PCOAT797-5XL | 5XL | White | 10/bg - 3 bgs/cs |

Pharma-Coat® KW Disposable Lab Coat

- Knit wrists and collar
- Non-shedding
- Spunbond polypropylene
- No Pockets
- ISO Class 7-8



| Item # | Size | Color | Selling Unit |
|-----------------|------|-------|------------------|
| PCOAT797-KW-S | S | White | 10/bg - 3 bgs/cs |
| PCOAT797-KW-M | M | White | 10/bg - 3 bgs/cs |
| PCOAT797-KW-L | L | White | 10/bg - 3 bgs/cs |
| PCOAT797-KW-XL | XL | White | 10/bg - 3 bgs/cs |
| PCOAT797-KW-2XL | 2XL | White | 10/bg - 3 bgs/cs |
| PCOAT797-KW-3XL | 3XL | White | 10/bg - 3 bgs/cs |
| PCOAT797-KW-4XL | 4XL | White | 10/bg - 3 bgs/cs |
| PCOAT797-KW-5XL | 5XL | White | 10/bg - 3 bgs/cs |

Pharma-Choice™ Isolation Gowns

- Fluid resistant
- Disposable, full length; knit cuff
- Latex free
- USP <797> Compliant

LEVEL 1

- Material: Spunbonded Polypropylene
- Liquid Barrier Test: ANSI / AAMI PB70

LEVEL 2

- Material: Polyethylene Coated Spunbonded Polypropylene
- Liquid Barrier Test: ANSI / AAMI PB70
- Water Resistance Impact Penetration Test: AATCC 42
- Water Resistance Hydrostatic Pressure Test: AATCC 127



| Item # | Size | Color | Selling Unit |
|----------|------|--------|------------------|
| GISO1YL | L | Yellow | 10/bg - 5 bgs/cs |
| GISO1YX | XL | Yellow | 10/bg - 5 bgs/cs |
| GISO1YXX | XXL | Yellow | 10/bg - 5 bgs/cs |
| GISO2BL | L | Blue | 10/bg - 5 bgs/cs |
| GISO2BX | XL | Blue | 10/bg - 5 bgs/cs |
| GISO2BXX | XXL | Blue | 10/bg - 5 bgs/cs |

Minimum Apparel Recommendations*

| | ISO 8 (Class 100,000) | ISO 7 (Class 10,000) | ISO 6 (Class 1,000) | ISO 5 (Class 100) | ISO 4 (Class 10) |
|--------------------------|-----------------------|----------------------|---------------------|-------------------|------------------|
| Hair Cover | ● | ● | ● | ● | ● |
| Beard Cover & Face Cover | ● | ● | ● | ● | ● |
| Hood | | | | ● | ● |
| Booties | | | ● | ● | ● |
| Lab Coat | ● | ● | | | |
| Coverall | | | ● | ● | ● |
| Gloves | | | | ● | ● |

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Protect 800™ Sterile Chemo Gloves

- Sterile chemo-gloves are your first line of defense against the harmful effects of HD's
- Ambidextrous, powder free, and made of nitrile
- Perfect for cancer centers, administration of chemo, handling of HDs, and for compounding chemo
- 12" long for added safety
- Packaged in 100% poly for lint-free donning
- Textured fingertips for extra grip; extended cuffs for added protection
- Tested for a range of chemotherapy drugs



| Item # | Size | Finger Thickness | Color | Selling Unit |
|------------|------|------------------|-------|-----------------------|
| PROSNCG-S | S | 7 mil | Blue | 50 pair/bg - 4 bgs/cs |
| PROSNCG-M | M | 7 mil | Blue | 50 pair/bg - 4 bgs/cs |
| PROSNCG-L | L | 7 mil | Blue | 50 pair/bg - 4 bgs/cs |
| PROSNCG-XL | XL | 7 mil | Blue | 50 pair/bg - 4 bgs/cs |

Not available for sale in Canada

Pharma-Glove™ Sterile Nitrile Exam Chemo Rated Gloves

- **Silicone free**
- Not for surgical use
- Validated Sterile
- Powder Free; Finger Textured
- 100% Nitrile; Latex Free
- 12" Long Extended Cuff
- Tested for use with Chemotherapy Drugs (ASTM-D6978-05 Tested)
- UPS <797> and UPS <800> Compliant
- Sterilization Method: Gamma Irradiation
- Min Dose: 25kGy
- Dose Verification: AAMI Method
- Pair packaged



| Item # | Size | Finger Thickness | Color | Selling Unit |
|----------------|------|------------------|-------|-----------------------|
| PGNS12-XS | XS | 5 mil | White | 50 pair/bg - 4 bgs/cs |
| PGNS12-S | S | 5 mil | White | 50 pair/bg - 4 bgs/cs |
| PGNS12-M | M | 5 mil | White | 50 pair/bg - 4 bgs/cs |
| PGNS12-L | L | 5 mil | White | 50 pair/bg - 4 bgs/cs |
| PGNS12-XL | XL | 5 mil | White | 50 pair/bg - 4 bgs/cs |
| PGNS12-2XL | 2XL | 5 mil | White | 50 pair/bg - 4 bgs/cs |
| PGNS12-3XL | 3XL | 5 mil | White | 50 pair/bg - 4 bgs/cs |
| PGNS12-LTC-XS | XS | 5 mil | White | 50 pair/bg - 2 bgs/cs |
| PGNS12-LTC-S | S | 5 mil | White | 50 pair/bg - 2 bgs/cs |
| PGNS12-LTC-M | M | 5 mil | White | 50 pair/bg - 2 bgs/cs |
| PGNS12-LTC-L | L | 5 mil | White | 50 pair/bg - 2 bgs/cs |
| PGNS12-LTC-XL | XL | 5 mil | White | 50 pair/bg - 2 bgs/cs |
| PGNS12-LTC-2XL | 2XL | 5 mil | White | 50 pair/bg - 2 bgs/cs |
| PGNS12-LTC-3XL | 3XL | 5 mil | White | 50 pair/bg - 2 bgs/cs |

Not available for sale in Canada

Virtu-Clean™ Class 100 Compatible Powder Free Nitrile Examination Gloves

- Patient examination grade
- Non sterile
- Powder free; textured fingers
- Ambidextrous
- 100% Nitrile; Latex Free
- 12" long for added safety
- USP <800> Compliant
- ISO Class 5 / Class 100 Compatible
- Tested For Use With Chemotherapy Drugs Per ASTM D6978



| Item # | Size | Finger Thickness | Color | Selling Unit |
|-----------|------|------------------|-------|---------------------------|
| GL-NCREXS | XS | 4.5 mil | White | 100 gloves/bg - 10 bgs/cs |
| GL-NCRE S | S | 4.5 mil | White | 100 gloves/bg - 10 bgs/cs |
| GL-NCREM | M | 4.5 mil | White | 100 gloves/bg - 10 bgs/cs |
| GL-NCREL | L | 4.5 mil | White | 100 gloves/bg - 10 bgs/cs |
| GL-NCREX | XL | 4.5 mil | White | 100 gloves/bg - 10 bgs/cs |

Not available for sale in Canada

Cleanroom Liquid Cleaners

Virtu-Clean® Sterile 70% Isopropyl Alcohol

- Validated sterile
- Available in 16 oz trigger spray bottle
- Removes many surface contaminants
- Used for wiping down gloved hands, vials, equipment, supplies, counter tops, floors, walls and more
- Double bagged
- ISO class 5
- USP <797> and USP <800> compliant
- Sterile 70% Isopropyl Alcohol (IPA) is listed throughout the USP <797> and <800> requirements as appropriate for a wide variety of processes and procedures



| Item # | Size | Sterility | Selling Unit |
|----------------|-------|-------------------|----------------|
| HBG703016797 ★ | 16 oz | Validated Sterile | 12 bottles /cs |

Not available for sale in Canada

Cleanroom Paper

Cleanroom Paper

- Paper Dimensions: 8.5" x 11"
- Brightness%: 88-92
- Used for writing, printing and photocopying in cleanroom environments
- Suitable for use in class 10 to Class 1000 (ISO class 4 to Class 6) cleanroom
- Pure image Premier Paper produced in Class 10 (ISO 4) cleanroom
- Excellent printability and heat toner adhesion
- Double sided web cleaned prior to sheeting
- High opacity and durability
- USP <797> Compliant



| Item # | Description | Color | Selling Unit |
|-----------|-----------------|-------|-------------------------------|
| PCIW1082C | 22#, Latex Free | White | 250 sheets/ream - 10 reams/cs |
| PCIW1096C | 28#, Latex Free | White | 250 sheets/ream - 10 reams/cs |

Cleanroom Floor Tacky Mats and Frames

Tacky Traxx™ Mats

- Designed to remove particulate from foot and cart traffic upon entering a cleanroom
 - Made of high quality incinerable polyethylene film with an adhesive surface featuring just the right amount of "tack"
 - The highly engineered film has a durable and smooth surface that is not easily damaged by heavy foot traffic and cart wheels
 - Each clean film adhesive mat features numbered corner tabs for easy tracking of remaining sheets
 - Peel-off sheets eliminate the need for messy cleaning and make it easy to maintain a clean surface; all tacky sheets are numbered in reverse order
 - Can be used for cleanroom and industrial purposes
- 
- Tacky mat frames can be easily lifted to allow cleaning underneath
 - Provides a designated area for your cleanroom tacky mats
 - Enables tacky mat to be moved to various areas of the facility
 - Lightweight and durable PVC
 - Non-skid mesh backing

| Item # | Description | Color | Size | Layers/ Mat | Selling Unit |
|-------------------------|------------------|-------|-----------|----------------|--------------|
| Tacky Floor Mats | | | | | |
| TT-1836-34B ★ | Sticky Floor Mat | Blue | 18" x 36" | 30 | 4 mats/cs |
| TT-1845-34B | Sticky Floor Mat | Blue | 18" x 45" | 30 | 4 mats/cs |
| TT-2436-34B ★ | Sticky Floor Mat | Blue | 24" x 36" | 30 | 4 mats/cs |
| TT-3636-34B | Sticky Floor Mat | Blue | 36" x 36" | 30 | 4 mats/cs |
| TT-2445-34B | Sticky Floor Mat | Blue | 24" x 45" | 30 | 4 mats/cs |
| TT-2645-34B | Sticky Floor Mat | Blue | 26" x 45" | 30 | 4 mats/cs |
| TT-3645-34B | Sticky Floor Mat | Blue | 36" x 45" | 30 | 4 mats/cs |
| TT-3660-34B | Sticky Floor Mat | Blue | 36" x 60" | 30 | 4 mats/cs |
| TT-1836-34W | Sticky Floor Mat | White | 18" x 36" | 30 | 4 mats/cs |
| TT-2436-34W | Sticky Floor Mat | White | 24" x 36" | 30 | 4 mats/cs |
| TT-3636-34W | Sticky Floor Mat | White | 36" x 36" | 30 | 4 mats/cs |
| TT-2645-34W | Sticky Floor Mat | White | 26" x 45" | 30 | 4 mats/cs |
| TT-3645-34W | Sticky Floor Mat | White | 36" x 45" | 30 | 4 mats/cs |
| TT-3660-34W | Sticky Floor Mat | White | 36" x 60" | 30 | 4 mats/cs |
| TT-1836-34G | Sticky Floor Mat | Gray | 18" x 36" | 30 | 4 mats/cs |
| TT-1845-34G | Sticky Floor Mat | Gray | 18" x 45" | 30 | 4 mats/cs |
| TT-3636-34G | Sticky Floor Mat | Gray | 36" x 36" | 30 | 4 mats/cs |
| TT-2445-34G | Sticky Floor Mat | Gray | 24" x 45" | 30 | 4 mats/cs |
| TT-2545-34G | Sticky Floor Mat | Gray | 25" x 45" | 30 | 4 mats/cs |
| TT-3645-34G | Sticky Floor Mat | Gray | 36" x 45" | 30 | 4 mats/cs |

Tacky Mat Frames - PVC

| | | | | | |
|------------|-------------------------|-------|-----------|---|--------|
| TTF-O-1937 | Use with 18" x 36" mats | White | 19" x 37" | - | 1 each |
| TTF-O-2537 | Use with 24" x 36" mats | White | 25" x 37" | - | 1 each |
| TTF-O-2746 | Use with 26" x 45" mats | White | 27" x 46" | - | 1 each |
| TTF-O-3737 | Use with 36" x 36" mats | White | 37" x 37" | - | 1 each |
| TTF-O-3761 | Use with 36" x 60" mats | White | 37" x 61" | - | 1 each |

High Visibility Tacky Mat Frames


| | | | | | |
|-----------|---|------------------|-----------|---|--------|
| TTF-ALERT | Tacky Traxx™ Alert! Mat Frame w/ glowing edges and gripper base | Yellow/ Green | 24" x 31" | - | 1 each |
|-----------|---|------------------|-----------|---|--------|

Custom Printed Tacky Floor Mats and Frames

| | | | | | |
|----------------|--------------------------------------|-------|-------------|----|-----------|
| TT-2230-38CL ★ | Clear Sticky Floor Mat | Clear | 22.5" x 30" | 30 | 8 mats/cs |
| TTF-LOGO ★ | Custom Printed Frame w/ Gripper Base | White | 23.5" x 31" | - | 1 each |

Sterilization Pouches


Sterilization Pouches

- Designed for use in steam (vapor) and ethylene oxide (ETO) sterilizers
 - Manufactured in an ISO certified facility under strict quality control
 - Feature both built-in internal and external indicators to confirm sterility of the contents, meeting the CDC's recommendation
 - Evaluated by the Dental Advisor (TDA) independent clinician consultants in over 5,800 uses and received an 86% clinical rating, + + + + (Very Good) out of the best 5 + 's scale
- 

| Item # | Description | Size | Selling Unit |
|-----------|-------------------------|----------------|-------------------|
| SPH2338 | Sterile Pouch | 2.25" x 2.75" | 200/bx -20 bxs/cs |
| SPH2350 | Sterile Pouch | 2.25" x 4" | 200/bx -20 bxs/cs |
| SPH2390 | Sterile Pouch | 2.25" x 7.75" | 200/bx -10 bxs/cs |
| SPH2810 | Sterile Pouch | 2.75" x 9" | 200/bx -10 bxs/cs |
| SPH3510 | Sterile Pouch | 3.5" x 9" | 200/bx -10 bxs/cs |
| SPH3510HY | Sterile Pouch - Economy | 3.5" x 9" | 200/bx -20 bxs/cs |
| SPH3565 | Sterile Pouch | 3.5" x 5.25" | 200/bx -10 bxs/cs |
| SPH5311 | Sterile Pouch | 5.25" x 10.25" | 200/bx -10 bxs/cs |
| SPH5385 | Sterile Pouch | 5.25" x 7.5" | 200/bx -10 bxs/cs |
| SPH7514 | Sterile Pouch | 7.5" x 13" | 100/bx -10 bxs/cs |
| SPH1016 | Sterile Pouch | 10" x 14.5" | 100/bx -10 bxs/cs |
| SPH1219 | Sterile Pouch | 12" x 17.75" | 100/bx -10 bxs/cs |

Cleanroom Absorbent Mat

Cobalt Blue™ Chemo Prep Mats / Spill Pads

- Ideal for use in your cleanroom, barrier isolator, or glove box during HD compounding
 - These chemo mats will quickly and safely remove spills before they spread
 - Absorbent, 3 ply material
 - Polyethylene and fiber blend
 - Validated Sterile and Non-Sterile Available
 - Sterile option is validated to SAL (Sterility Assurance Level) of 10⁻⁶
 - Non-porous polyethylene backing
 - Ideal for ISO class 5 cleanrooms and higher
 - Made in the USA
- 

| Item # | Description | Color | Size | Selling Unit |
|-------------------------------|---|-------|-----------|------------------------|
| Sterile Chemo Mats | | | | |
| CBCM-1611.15 | Gamma Irradiated, Lint Free, Highly Absorbent, Non-Porous Backing | Blue | 16" x 11" | 15 mats/bg - 10 bgs/cs |
| CBCM-2216.10 | Gamma Irradiated, Lint Free, Highly Absorbent, Non-Porous Backing | Blue | 22" x 16" | 10 mats/bg - 20 bgs/cs |
| Non-Sterile Chemo Mats | | | | |
| CM-1611.50 | Non-Sterile, Lint Free, Highly Absorbent, Non-Porous Backing | Blue | 16" x 11" | 50 mats/bg - 4 bgs/cs |
| CM-2216.50 | Non-Sterile, Lint Free, Highly Absorbent, Non-Porous Backing | Blue | 22" x 16" | 50 mats/bg - 4 bgs/cs |

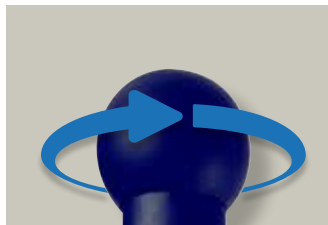


Innovative SPHERGO SWIVEL® mop handle eases wrist strain. Ease of motion, better reach make life easier for cleaning professionals.

Repetitive stress injuries (RSIs) are a hazard of working as a professional cleaner, but it doesn't have to be this way. The Sphergo® line of ergonomic surface cleaning tools continues to improve working conditions for these vital members of the workforce with the new Sphergo Swivel® mopping tool, specially designed to reduce RSIs.

SPHERGO SWIVEL® Mopping Tool

- The Sphergo Swivel® unique curved pole positions the user's body posture optimally to reduce repetitive strain injuries
- The rotating ball handle reduces unnecessary wrist motion while improving grip and control
- The curved pole paired with rotating ball on the handle allows for effortless smooth mopping "S" motion
- Sphergo Swivel® curved pole allows for farther reach underneath low-clearance obstructions like beds, chairs, and desks relative to a tradition straight mop while eliminating awkward bending
- Trapezoid frame design provides easier access into corners and along baseboards while making pad removal effortless
- The base's rounded edges help prevent any damage to sensitive areas such as wood trim or wooden furniture legs
- Replaceable hook and loop strips
- Lightweight aluminum frame



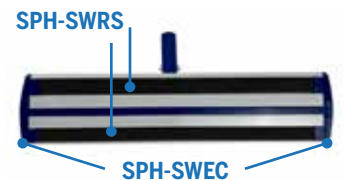
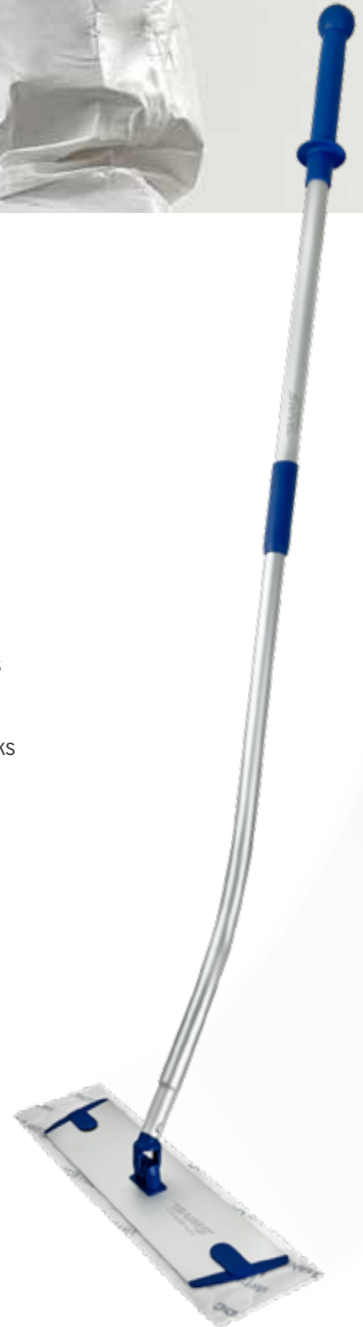
Rotating ball handle allows for improved grip and control.



Curved pole allows for farther reach under beds, chairs and more.



Trapezoid frame design provides easier access into corners.



| Item # | Description | Selling Unit | Case Pack |
|-------------|---|--------------|-----------|
| 2505-SWPOLE | Sphergo Swivel® White Aluminum Extension Pole | 1 ea | 12/cs |
| 2505-SWBASE | Sphergo Swivel® White Aluminum Base for 18"-20" Pads | 1 ea | 12/cs |
| SPH-SWKT | Sphergo Swivel® Starter Kit Tools: (1) White Aluminum Extension Pole, (1) White Aluminum Base, Pads*: (12) Virtu-Clean® VCU2 pads, (12) Virtu-Clean® VCDCS pads | 1 kit | 1 kit/cs |

*During the transition period you may receive a kit that contains (12) Virtu-Clean® VCU pads, (12) Virtu-Clean® VCDC pads, (12) Virtu-Clean® VCDCS pads

The Sphergo Swivel® pole and base combination can be used with any 18"-20" disposable or reusable microfiber flat pad, but we recommend pairing Sphergo Swivel® with the Virtu-Clean® line of disposable cleaning pads for even more efficacious cleaning and less worker strain! These specially engineered pads are designed to reduce friction while maximizing cleaning results and coverage area.



Charge once, even coverage, and a cleaner floor.

Not all cleaning pads are equal. Absorbency rates, release rates, coverage, and linting can vary greatly, significantly impacting the finished product. Virtu-Clean® Disposable Cleaning Pads are specially engineered for critical environments, giving you maximum coverage, cleaning, and convenience. Our disposable, single-use mop pads check all the right boxes – they hold more liquid, release that liquid at a controlled rate over a larger surface area, and reduce friction for more effort-free cleaning.

Virtu-Clean® Disposable Cleaning Pads

VCU2 | Virtu-Clean® Universal Disposable Cleaning Pad

- VCU2 offers the same efficacy as the original VCU, but now includes up to 90% recycled content!
- USP <797> Compliant for pharmacy sterile compounding and sterile preparations
- Eco friendly manufacturing with no chemical dyes used in the process
- Contains up to 90% post-consumer recycled content
- Single use application to reduce risk of cross contamination
- No quat binding
- Compatible with chlorine bleach, hydrogen peroxide, and common disinfectants up to 400 sq. ft. cleaning coverage
- Absorbs 9x its weight in liquid
- Superior absorbency and release provides consistent coverage and cleaning
- Embossed pattern reduces friction for less strain on workers
- Channels efficiently pick up and retain dirt in pad
- Bonded edges improve performance greatly, reducing linting for a cleaner clean
- Polyester backing produces less lint upon removal from base
- Bag in bag packaging for cleanroom application
- Perfect for foodservice and food processing operations, healthcare facilities, cleanrooms, controlled environments, surgical rooms, ICU areas, pharmacy applications, and other institutions

VCDCS | Virtu-Clean® DCS Disposable Cleaning Pad w/Scrubber

Similar to the VCU2 pad, but with built in scrubbers for more aggressive cleaning and stain removal. With up to 48% recycled content, our VCDCS pads holds nearly 6x their weight in cleaning fluid, which translates into 240-300 sq. ft. of cleaning coverage with a single charge.



VCU2



VCDCS



Cleaning pads marked with this symbol are environmentally friendly with 48% - 90% post-consumer recycled content.

All pad options can be used with most flat mop bases; however, Hospeco Brands Group designed and recommends the pads be used with the new Sphergero Swivel®, for a more complete ergonomic cleaning solution.

| Item # | Description | ISO Class | Size | Selling Unit |
|----------|---|-------------|----------|---|
| VCU2 | Virtu-Clean® Universal Disposable Cleaning Pad | ISO Class 5 | 5" x 19" | 20 pads/bg, 12 bgs/master bg - 1 master bg/cs |
| VCDCS | Virtu-Clean® DCS Disposable Cleaning Pad w/Scrubber | ISO Class 5 | 5" x 19" | 20 pads/bg, 12 bgs/master bg - 1 master bg/cs |
| SPH-SWKT | Sphergero Swivel® Starter Kit Tools: (1) White Aluminum Extension Pole, (1) White Aluminum Base, Pads*: (12) Virtu-Clean® VCU2 pads, (12) Virtu-Clean® VCDCS pads | - | - | 1 kit |

*During the transition period you may receive a kit that contains (12) Virtu-Clean® VCU pads, (12) Virtu-Clean® VCDCS pads, (12) Virtu-Clean® VCDCS pads

Product Weight and Pallet Quantity Information

| Item# | Selling Unit | UOS Wt. | UOS PLT |
|--|--------------|---------|---------|
| Dry Wipes: Non-Sterile | | | |
| NT1-44 | 1 cs | 24 | 20 |
| NT1-99.12 | 1 cs | 32 | 30 |
| NT1-1212 | 1 cs | 34 | 36 |
| VS20-99 | 1 cs | 22 | 50 |
| VS20-1212 | 1 cs | 33 | 30 |
| ULT70-99 | 1 cs | 38 | 50 |
| Dry Wipes: Sterile | | | |
| NT1-99CB | 1 cs | 32 | 64 |
| NT1-1212CB | 1 cs | 33 | 54 |
| GRAB-EEZ™ Dry Wipes & Dispenser | | | |
| GE-NT1-99 | 1 cs | 28 | 32 |
| GE-DISP-SS | 1 ea | 11 | 27 |
| Presaturated Wipes: Non-Sterile | | | |
| FS-NT1-77 | 1 cs | 24 | 40 |
| FS-NT1-69-9C | 1 cs | 38 | 27 |
| FS-NT1-99 | 1 cs | 28 | 40 |
| FS-NTP-911 | 1 cs | 25 | 30 |
| FS-NTP-1711.85 | 1 cs | 50 | 30 |
| SS-NT1-77 | 1 cs | 9 | 40 |
| Presaturated Wipes: Sterile | | | |
| FS-NTP-911.35CB | 1 cs | 26 | 40 |
| FS-NT1-912.35CB | | | |
| Bee-Safe® Bouffant Caps | | | |
| GAH-BP-21-WH | 1 cs | 6 | 84 |
| GAH-BP-21-BL | 1 cs | 6 | 84 |
| GAH-BP-24-WH | 1 cs | 7 | 84 |
| GAH-BP-24-BL | 1 cs | 7 | 84 |
| GAH-BP-28-WH | 1 cs | 9 | 54 |
| GAH-BP-28-BL | 1 cs | 9 | 54 |
| Bee-Safe® Beard Covers | | | |
| GAH-BRD-WH | 1 cs | 4 | 135 |
| Bee-Safe® Polypropylene Hoods | | | |
| GAH-HOOD-WH | 1 cs | 7 | 42 |
| GAH-HOOD-BL | 1 cs | 7 | 42 |
| Bee-Safe® Shoe Covers | | | |
| GAH-SP-NS-LG | 1 cs | 5 | 108 |
| GAH-SP-NS-XL | 1 cs | 5 | 108 |
| GAH-SP-NS-2XL | 1 cs | 5 | 108 |
| GAH-SC-S-LG | 1 cs | 7 | 72 |
| GAH-SC-S-XL | 1 cs | 10 | 54 |

| Item# | Selling Unit | UOS Wt. | UOS PLT |
|--|--------------|---------|---------|
| Pharma-Coat® Disposable Lab Coats | | | |
| PCOAT797-S | 1 cs | 7 | 60 |
| PCOAT797-M | 1 cs | 7 | 60 |
| PCOAT797-L | 1 cs | 7 | 60 |
| PCOAT797-XL | 1 cs | 7 | 60 |
| PCOAT797-2XL | 1 cs | 7 | 60 |
| PCOAT797-3XL | 1 cs | 7 | 60 |
| PCOAT797-4XL | 1 cs | 7 | 60 |
| PCOAT797-5XL | 1 cs | 7 | 60 |
| Pharma-Coat® KW Disposable Lab Coats | | | |
| PCOAT797-KW-S | 1 cs | 8 | 60 |
| PCOAT797-KW-M | 1 cs | 8 | 60 |
| PCOAT797-KW-L | 1 cs | 8 | 60 |
| PCOAT797-KW-XL | 1 cs | 8 | 60 |
| PCOAT797-KW-2XL | 1 cs | 8 | 60 |
| PCOAT797-KW-3XL | 1 cs | 8 | 60 |
| PCOAT797-KW-4XL | 1 cs | 8 | 60 |
| PCOAT797-KW-5XL | 1 cs | 8 | 60 |
| Pharma-Choice Isolation Gowns | | | |
| GISO1YL | 1 cs | 11 | 63 |
| GISO1YX | 1 cs | 11.5 | 63 |
| GISO1YXX | 1 cs | 13.5 | 63 |
| GISO2BL | 1 cs | 11 | 63 |
| GISO2BX | 1 cs | 11.5 | 63 |
| GISO2BXX | 1 cs | 13.5 | 63 |
| Pharma-Glove™ Sterile Nitrile Exam Chemo Rated Gloves | | | |
| PGNS12-XS | 1 cs | 15 | 72 |
| PGNS12-S | 1 cs | 15 | 72 |
| PGNS12-M | 1 cs | 15 | 72 |
| PGNS12-L | 1 cs | 15 | 72 |
| PGNS12-XL | 1 cs | 16 | 72 |
| PGNS12-2XL | 1 cs | 16 | 72 |
| PGNS12-3XL | 1 cs | 16 | 72 |
| PGNS12-LTC-XS | 1 cs | 16 | 84 |
| PGNS12-LTC-S | 1 cs | 16 | 84 |
| PGNS12-LTC-M | 1 cs | 16 | 84 |
| PGNS12-LTC-L | 1 cs | 16 | 84 |
| PGNS12-LTC-XL | 1 cs | 16 | 84 |
| PGNS12-LTC-2XL | 1 cs | 16 | 84 |
| PGNS12-LTC-3XL | 1 cs | 16 | 84 |

| Item# | Selling Unit | UOS Wt. | UOS PLT |
|--|--------------|---------|---------|
| Protect 800™ Sterile Chemo Gloves | | | |
| PROSNCG-S | 1 cs | 15 | 72 |
| PROSNCG-M | 1 cs | 15 | 72 |
| PROSNCG-L | 1 cs | 15 | 72 |
| PROSNCG-XL | 1 cs | 15 | 72 |
| Virtu-Clean™ Cleanroom Gloves | | | |
| GL-NCREXS | 1 cs | 15 | 72 |
| GL-NCRES | 1 cs | 15.5 | 72 |
| GL-NCREM | 1 cs | 16 | 72 |
| GL-NCREL | 1 cs | 16.5 | 72 |
| GL-NCREX | 1 cs | 17 | 72 |
| Virtu-Clean® Sterile IPA | | | |
| HBG703016797 | 1 cs | 11 | 64 |
| Cleanroom Paper | | | |
| PCIW1082C | 1 cs | 25 | TBD |
| PCIW1096C | 1 cs | 25 | TBD |
| Tacky Traxx™ Mats | | | |
| TT-1836-34B | 1 cs | 7 | 60 |
| TT-1845-34B | 1 cs | 9 | 60 |
| TT-2436-34B | 1 cs | 10 | 60 |
| TT-3636-34B | 1 cs | 14 | 60 |
| TT-2445-34B | 1 cs | 11 | 60 |
| TT-2645-34B | 1 cs | 13 | 60 |
| TT-3645-34B | 1 cs | 18 | 60 |
| TT-3660-34B | 1 cs | 25 | 60 |
| TT-1836-34W | 1 cs | 7 | 60 |
| TT-2436-34W | 1 cs | 10 | 60 |
| TT-3636-34W | 1 cs | 14 | 60 |
| TT-2645-34W | 1 cs | 13 | 60 |
| TT-3645-34W | 1 cs | 18 | 60 |
| TT-3660-34W | 1 cs | 25 | 60 |
| TT-1836-34G | 1 cs | 7 | 60 |
| TT-1845-34G | 1 cs | 9 | 60 |
| TT-3636-34G | 1 cs | 14 | 60 |
| TT-2445-34G | 1 cs | 11 | 60 |
| TT-2545-34G | 1 cs | 12 | 60 |
| TT-3645-34G | 1 cs | 18 | 60 |

| Item# | Selling Unit | UOS Wt. | UOS PLT |
|---|--------------|---------|---------|
| Tacky Mat Frames - PVC | | | |
| TTF-O-1937 | 1 ea | 3 | 50 |
| TTF-O-2537 | 1 ea | 4 | 50 |
| TTF-O-2746 | 1 ea | 4.75 | 50 |
| TTF-O-3737 | 1 ea | 4.5 | 50 |
| TTF-O-3761 | 1 ea | 5.5 | 50 |
| High Visibility Tacky Mat Frame | | | |
| TTF-ALERT | 1 ea | 3 | 40 |
| Custom Printed Tacky Mats & Frames | | | |
| TT-2230-38CL | 1 cs | 9.5 | 40 |
| TTF-LOGO | 1 ea | 3 | 40 |
| Sterilization Pouches | | | |
| SPH2338 | 1 cs | 7.7 | 144 |
| SPH2350 | 1 cs | 9.6 | 150 |
| SPH2390 | 1 cs | 7.6 | 144 |
| SPH2810 | 1 cs | 10.15 | 147 |
| SPH3510 | 1 cs | 13.1 | 126 |
| SPH3510HY | 1 cs | 25.17 | 54 |
| SPH3565 | 1 cs | 8.6 | 144 |
| SPH5311 | 1 cs | 22.25 | 60 |
| SPH5385 | 1 cs | 16.6 | 84 |
| SPH7514 | 1 cs | 19.1 | TBD |
| SPH1016 | 1 cs | 28.35 | TBD |
| SPH1219 | 1 cs | 40.35 | TBD |
| Cobalt Blue Chemo Mats | | | |
| CBCM-1611.15 | 1 cs | 9 | 48 |
| CBCM-2216.10 | 1 cs | 18 | 32 |
| CM-1611.50 | 1 cs | 9 | 48 |
| CM-2216.50 | 1 cs | 18 | 32 |
| Spherger Swivel® Mopping Tool | | | |
| 2505-SWPOLE | 1 ea | 1.5 | 396 |
| 2505-SWBASE | 1 ea | 0.8 | 864 |
| SPH-SWKT | 1 kit | 3.97 | 104 |
| Virtu-Clean® Disposable Cleaning Pads | | | |
| VCU2 | 1 cs | 11.46 | 32 |
| VCDCS | 1 cs | 11.46 | 32 |
| SPH-SWKT | 1 kit | 3.97 | 104 |



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