



01 Face and Eye Protection

PPE includes safety goggles and face shields and should be used for tasks that can cause eye damage or loss of vision, sprays of toxic liquids, splashes, and burns.

Safety Tips:

- Check if safety glasses comply with the ANSI Z87.1 eye protection standard.
- Ensure that there are no cracks or deformities on the lenses.
- Ensure the strap is in good working condition and is firmly sealed to the cheek and forehead.
- Clean and disinfect after use.



Safety Goggles/ Lab Glasses



Face Shields

02 Respiratory Protection

PPE includes full-face respirators, self-contained breathing apparatus, gas masks, N95 respirators, and surgical masks are used for a task that can cause inhalation of harmful materials to enter the body.

This includes harmful gas, chemicals, large-particle droplets, sprays, splashes, pollution, or splatter that may contain viruses and bacteria such as **COVID-19**, viral infections, and more.

Safety Tips:

- Ensure that the equipment is **fit-tested** and the employee has undergone **proper training** before wearing one.
- Carefully read the instructions to determine if it is designed to help protect against the hazards you may face.
- Change filters on half-mask or full-mask respirators frequently.
- Replace disposable respirators with every use.
- Surgical masks are not to be shared with anyone.
- Avoid touching the surgical mask after wearing it.
- Change surgical mask timely and should be disposed of after use.
- Replace the mask immediately if it is damaged or soiled.

02 Respiratory Protection

| | Face Coverings BFE = Bacterial Filtration Efficiency | | Respiratory Protection PFE = Particle Filtration Efficiency | | | |
|---|---|---|--|----------------------------|----------------|----------------|
| | CLOTH | 3-PLY | KN95/N95 (WITH VALVE) | KN95 | N95 | FFP3 |
| GOOD MASK CO. | | | | | | |
| Regulatory Body | NONE | FDA | NIOSH KN95: FDA N95: CDC | NIOSH (FDA) | NIOSH (CDC) | CE |
| Particle Filtration Efficiency (PFE) | UNKNOWN | UNKNOWN | 95% | 95% | 95% | 99% |
| Protects Self Reduces the wearer's exposure to the respiratory emissions of others | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Protects Others Reduces other people's exposure to the respiratory emissions of the wearer | UNKNOWN | ✓ | ✗ | ✓ | ✓ | ✓ |
| Certifications | NONE | ASTM F2100-2011 • Level 1 (BFE >95%) • Level 2 (BFE >98%) | NIOSH N95/ CE EN 149 FFP2 | FDA EUA/ CE EN 149 FFP2 | NIOSH N95 | CE EN 149 FFP3 |

03 Skin and Body Protection

PPE includes the following categories to protect employees from physical hazards:

Hair Protection

PPE includes **disposable caps** and should be required for tasks that can cause any contamination in research labs and cleanrooms.

Body Protection

PPE includes **safety vests and gown** that can be used for tasks that can cause body injuries from extreme temperatures, flames and sparks, toxic chemicals, insect bites and radiation.

Hands Protection

PPE includes **safety gloves** and should be used for tasks that can cause hand and skin burns, absorption of harmful substances, cuts, fractures or amputations.

Foot Protection

PPE includes **shoe cover and lab shoes** and should be used for tasks that can cause serious foot and leg injuries from falling or rolling objects, hot substances, electrical hazards, and slippery surfaces.

03 Skin and Body Protection



Disposable Cap



Lab Gown



Shoes Cover



Lab Shoes

03 Skin and Body Protection

LATEX, NITRILE & NEOPRENE
HOW WELL DO YOU KNOW ABOUT THEM?

Nortek

| TYPES OF GLOVES | LATEX GLOVES | NITRILE GLOVES | NEOPRENE GLOVES |
|-------------------|---|---|---|
| MATERIAL | Latex | Acrylonitrile Butadiene | Polychloroprene Rubber |
| CHARACTERISTICS | <ul style="list-style-type: none"> Soft & flexible High tensile strength Contain latex proteins (can result in Type I latex allergy) | <ul style="list-style-type: none"> Higher durability Last longer No latex protein Lower flexibility | <ul style="list-style-type: none"> Resist degradation better Chemically inert to withstand petroleum based mixtures (eg. solvents, oils, greases) |
| PROTECTION LEVELS | <ul style="list-style-type: none"> Good performance barrier to virus and bacteria Poor oil, fat & hydrocarbon resistance | <ul style="list-style-type: none"> Superior resistance to abrasion, cut & puncture Protection against wide range of chemicals | <ul style="list-style-type: none"> Excellent abrasion resistance Good resistance to most solvents, mild acids, oils & fat |
| USAGE AREAS | General housework, dishwashing, janitorial cleaning | Chemical handling, oil refining, agriculture | Industrial chemical processing, oil refineries, printing industries |

04 Hearing Protection

Protect ears from loud noises, intrusion of water, foreign bodies, dust or excessive wind



Ear plug



Ear muff

