

Biosafety Level Personal Protection Solutions

Biosafety Level



Examples of pathogens in this area: non-pathogenic virus, bacteria or funqi[†]



Jackson Safety* V30 Nemesis* Safety Glasses

Fisher Scientific Cat. No: 19-150-471, 19-14-380 KCP Code: 25676, 25679



HEAD

WRISTS

HANDS

H

Jackson Safety* V10 Element* Safety Glasses

Fisher Scientific Cat. No: 19-706-2 KCP Code: 25627



Kimtech Pure* A7 Cleanroom Lab Coats Fisher Scientific Cat. No: 19-169-106, 19-169-107, 19-169-108, 19-169-109, 19-169-110, 19-169-111, 19-169-112 KCP Code: 47651-47657



Kimtech Pure* A4 Cleanroom Sleeves Fisher Scientific Cat. No: 19-169-104, 19-169-105 KCP Code: 49815, 49816



Kimberly-Clark* Sterling* Nitrile Exam Gloves, 9.5 in., 3.5 mil thickness

Fisher Scientific Cat. No: 19-48-131, 19-48-132, 19-48-133, 19-48-134, 19-48-135

KCP Code: 50705-50709



Kimberly-Clark* Spring Green Nitrile Powder-Free Exam Gloves, 9 in., 4.7 mil thickness

Fisher Scientific Cat. No: 19-169-67, 19-169-68, 19-169-69, 19-169-70, 19-169-71

KCP Code: 43437-43441

Biosafety Level



Examples of pathogens in this area: Varicella-zoster virus, Salmonella arizonae, Salmonella enterica serovar enteritidis, Legionella spp, herpes simplex viruses 1 and 2[†]



KleenGuard* A10 Bouffant Caps Fisher Scientific Cat. No: 17-981-43A, 17-981-43B KCP Code: 36850, 36860



Kimberly-Clark* Masks Fisher Scientific Cat. No: 19-35-442, 19-166-980, 18-999-2883

KCP Code: 48100, 47090, 47080



Kimberly-Clark* Guardall Shield* Face Shield Fisher Scientific Cat. No: 18-999-2886

KCP Code: 41204



Jackson Safety* V80 Revolution* OTG Goggle Fisher Scientific Cat. No: 19-130-480

KCP Code: 14399



Kimtech Pure* A7 Cleanroom Lab Coats Fisher Scientific Cat. No: 19-169-106, 19-169-107, 19-169-108, 19-169-109, 19-169-110, 19-169-111,

KCP Code: 47651-47657

19-169-112



KleenGuard* A60 Bloodborne Pathogen & Chemical Protection Apparel

Fisher Scientific Cat. No: 19-57-403A, 19-57-403B, 19-57-403C, 19-57-403D, 19-57-403F

KCP Code: 45002-45007



Kimtech Pure* A4 Cleanroom Sleeves
Fisher Scientific Cat. No: 19-169-104, 19-169-105
KCP Code: 49815, 49816



Kimberly-Clark* Purple Nitrile* Exam Gloves, 9 in., 6 mil thickness

Fisher Scientific Cat. No: 19-149-863, 19-149-863A, 19-149-863B, 19-149-863D

KCP Code: 55080-55084



Kimberly-Clark* Sterling* Nitrile Exam Gloves, 9.5 in., 3.5 mil thickness

Fisher Scientific Cat. No: 19-48-131, 19-48-132, 19-48-133, 19-48-134, 19-48-135
KCP Code: 50705-50709



Kimberly-Clark* Spring Green Nitrile Powder-Free Exam Gloves, 9 in., 4.7 mil thickness

Fisher Scientific Cat. No: 19-169-67, 19-169-68, 19-169-69, 19-169-70, 19-169-71

KCP Code: 43437-43441



Kimtech Pure* A8 Shoe Covers Fisher Scientific Cat. No: 19-169-650, 19-169-651, 19-169-652

KCP Code: 39370-39372

Bench Top Essentials and Sanitizers



Kimtech Science* Kimwipes* Wipers Fisher Scientific Cat. No: 06-666-A, 06-666-1A, 066-661-1 KCP Code: 34155, 34133, 34721



Kimtech Pure* W4 PreSat Wipers Fisher Scientific Cat. No: 19-130-1574 KCP Code: 06070



Scott® C-Fold Towels
Fisher Scientific Cat. No:
06-666-32B
KCP Code: 01510



Kimtech Science* Bench Top Protector Sheet Fisher Scientific Cat. No: 15-235-101 KCP Code: 75460



Kleenex® Ultra* Moisturizing Foam Hand Sanitizer: KCP Code: 34604

Biosafety Level



Examples of pathogens in this area: Bacillus anthracis, Mycobacterium leprae, Mycobacterium tuberculosis, Dengue viruses types 1-4, Hepatitis C virus †



HEAD

BODY

WRISTS

KleenGuard* A10 **Bouffant Caps** Fisher Scientific Cat. No: 17-981-43A, 17-981-43B

KCP Code: 36850, 36860

Kimberly-Clark* N95 Particulate Filter Respirator and Surgical Mask, Fluid

Protection, Pouch Style

Fisher Scientific Cat. No: 18-999-1444, 18-999-1445

KCP Code: 46827, 46727



Kimtech Pure* A5 Integrated Hood & Mask, non-sterile Fisher Scientific Cat. No: 19-166-702

KCP Code: 49828



Kimberly-Clark* Guardall Shield* Face Shield Fisher Scientific Cat. No: 18-999-2886

KCP Code: 41204



Jackson Safety* V80 Revolution* OTG Goggle Fisher Scientific Cat. No: 19-130-480

KCP Code: 14399



Jackson Safety* V90 Shield Goggle Fisher Scientific Cat. No: 19-706-28 KCP Code: 18629

Kimtech Pure* A7 Cleanroom Lab Coats

Fisher Scientific Cat. No: 19-169-106, 19-169-107, 19-169-108, 19-169-109, 19-169-110, 19-169-111, 19-169-112

KCP Code: 47651-47657



KleenGuard* A60 Bloodborne Pathogen & Chemical Protection Apparel

Fisher Scientific Cat. No: 19-57-403A, 19-57-403B, 19-57-403C, 19-57-403D, 19-57-403E, 19-57-403F

KCP Code: 45002-45007



Kimtech Pure* A4 Cleanroom Sleeves Fisher Scientific Cat. No: 19-169-104, 19-169-105 KCP Code: 49815, 49816



Kimberly-Clark* Purple Nitrile-Xtra Exam Gloves, 12 in., 6 mil thickness

Fisher Scientific Cat. No: 19-149-864, 19-149-864A. 19-149-864B, 19-149-864C, 19-149-864D

KCP Code: 55090. 50601-50604



Kimberly-Clark* Sterling* Nitrile-Xtra* Exam Gloves, 12 in., 3.5 mil thickness

Fisher Scientific Cat. No: 19-50-590, 19-50-591, 19-50-592, 19-50-593, 19-50-595 KCP Code: 53137-53141

Kimtech Pure* G3 Sterile Sterling* Nitrile Gloves, 12 in., 4 mil thickness

Fisher Scientific Cat. No: 19-47-730, 19-47-732, 19-47-733, 19-47-734, 19-47-735, 19-47-736, 19-47-737, 19-47-738

KCP Code: 11821-11828



Examples of pathogens in this area: Macacine herpesvirus, Ebolavirus (Bundibugyo, Reston, Sudan, Tai Forest, Zaire), Marburg HF, Crimean-Congo hemorrhagic fever virus†



Kimberly-Clark* N95 Particulate Filter Respirator and Surgical Mask, Fluid Protection, Pouch Style Fisher Scientific Cat. No: 18-999-1444, 18-999-1445

KCP Code: 46827, 46727



Kimtech Pure* A5 Integrated Hood & Mask, non-sterile

Fisher Scientific Cat. No: 19-166-702 KCP Code: 49828



Kimberly-Clark* Guardall Shield* Face Shield

Fisher Scientific Cat. No: 18-999-2886 KCP Code: 41204



Jackson Safety* V90 Shield Goggle Fisher Scientific Cat. No: 19-706-28

KCP Code: 18629



KleenGuard* A60 Bloodborne Pathogen & Chemical Protection Apparel:

Hooded Fisher Scientific Cat. 57-404D, 19-57-404E,

19-57-404F KCP Code: 45022-45027 Hooded & Booted

Fisher Scientific Cat. No: 19-57-404A, 19-57- No: 19-57-405A, 19-57-404B, 19-57-404C, 19- 405B, 19-57-405C, 19-57-405D, 19-57-405E, 19-57-405F

KCP Code: 45092-45097



Kimtech Pure* A4 Cleanroom Sleeves

Fisher Scientific Cat. No: 19-169-104, 19-169-105 KCP Code: 49815, 49816



Kimberly-Clark* Purple Nitrile-Xtra Exam Gloves, 12 in., 6 mil thickness

Fisher Scientific Cat. No: 19-149-864, 19-149-864A, 19-149-864B, 19-149-864C, 19-149-864D

KCP Code: 55090, 50601-50604



Kimberly-Clark* Sterling* Nitrile-Xtra* Exam Gloves, 12 in., 3.5 mil thickness

Fisher Scientific Cat. No: 19-50-590, 19-50-591, 19-50-592, 19-50-593, 19-50-595

KCP Code: 53137-53141



Kimtech Pure* A8 Shoe Covers Fisher Scientific Cat. No: 19-169-650,

19-169-651, 19-169-652 KCP Code: 39370-39372



KleenGuard* A40 Liquid & Particle Protection Boot Covers with Vinyl Sole Fisher Scientific Cat. No: 19-57-521,

19-121-718

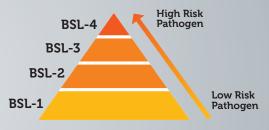
KCP Code: 36779, 44495





Understanding the biological risks

Laboratories are designated according to their design features, construction and containment facilities as Biosafety levels 1-4. The table below indicates the differences between each.¹



Relation of risk groups to biosafety levels, practices and equipment

Risk	Biosafety Level	Definitions	Laboratory Type	Laboratory Practices
1	Basic Biosafety Level 1	No or very low individual and community risk A micro-organism that is unlikely to cause human or animal disease.	Basic teaching, research	GMT ² / GLP ²
2	Basic Biosafety Level 2	Moderate individual risk, low community risk A pathogen that can cause human or animal disease but unlikely to be a serious hazard to laboratory workers, the community, livestock or the environment. Laboratory exposures may cause serious infection, but effective treatment and preventative measures are available and the risk of spread of infection is limited.	Primary health services, diagnostic research	GMT ² plus protective clothing as part of GLP ²
3	Containment Biosafety Level 3	High individual risk, low community risk A pathogen that usually causes serious human or animal disease but does not ordinarily spread from one infected individual to another. Effective treatment and preventative measures are available.	Special diagnostic research	As Level 2 plus special clothing, controlled access, directional air flow, biological safety cabinets
4	Maximum Containment Biosafety Level 4	High individual and community risk A pathogen that usually causes serious human or animal disease and that can be readily transmitted from one individual to another, directly or indirectly. Effective treatment and preventative measures are not usually available.	Dangerous pathogen units	As Level 3 plus airlock entry, shower exit, special waste disposal, biological safety cabinets, Autoclave





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