

**Healthy, Safe and Productive  
People create Exceptional  
Sustainable Science**



It all adds up...  
to **Exceptional Laboratories**

# Creating Healthier, Safer, more Productive Laboratories

## Facing the true costs

**4%** Of the world's GDP

Total costs of work-related accidents and ill-health<sup>1</sup>

**45%**

of all researchers sustain a lab-based injury<sup>2</sup>

**>€4K Penalties**

Cost on average for using the wrong type of PPE also violating GLP and EC directive 89/686/EEC<sup>3</sup>

# Protecting the Scientist and the Science

## Protection of the Scientist

Laboratory Safety is #1 Priority. Our products are specifically designed to provide the Scientist with an all-round protection in a wide range of applications.

## Protection of the Science

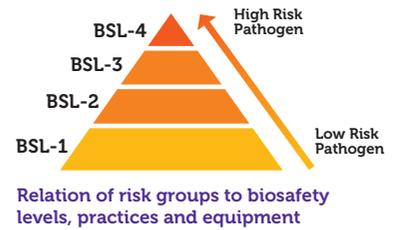
Protection of procedures and assays from contamination is vital. Contamination costs time, money and credibility. Therefore we pay special attention during the manufacturing process to keep residual levels low and provide Certificates of Analysis (gloves only) to track this.

## Assured Compliance

Health & Safety and GLP compliance are the foundation of Exceptional Laboratories. Demonstrating compliance with our gloves and lab coats is easy as they are PPE Category III Certified. The QR codes on our KIMTECH SCIENCE\* Glove boxes link to a rich source of online documents, at your fingertips.

# 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<sup>4</sup>



Risk	Biosafety Level	Definitions	Laboratory Type	Laboratory Practices
1	<b>Basic</b> Biosafety Level 1	<b>No or very low individual and community risk</b> A micro-organism that is unlikely to cause human or animal disease.	Basic teaching, research	GMT* / GLP*
2	<b>Basic</b> Biosafety Level 2	<b>Moderate individual risk, low community risk</b> 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* plus protective clothing as part of GLP*
3	<b>Containment</b> Biosafety Level 3	<b>High individual risk, low community risk</b> 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	<b>Maximum Containment</b> Biosafety Level 4	<b>High individual and community risk</b> 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

\*GMT – Good Microbiological Technique, GLP Good Laboratory Practices

**KIMBERLY-CLARK PROFESSIONAL\*** provides innovative solutions to help you run healthier, safer and more productive labs in the most environmentally sustainable way possible.



## Your Laboratory

- Engaged People
- High Quality PPE Products
- Green, Lean and Protection services



It all adds up...  
to Exceptional Laboratories

1. "Inventory of socioeconomic costs of work accidents" <https://osha.europa.eu/en/publications/reports/207> European Agency for Safety and Health at Work 2011  
 2. "Safety survey reveals lab risks" <http://www.nature.com/news/safety-survey-reveals-lab-risks-1.12121#saftey> Nature. 2013  
 3. "Inadequate PPE leads to worker contracting dermatitis" <http://www.shponline.co.uk/in-court/in-court/full/inadequate-ppe-leads-to-worker-contracting-dermatitis#sthash.SHPOne.2009>  
 4. <http://www.who.int/csr/resources/publications/biosafety/Labbiosafety.pdf> World Health Organization LABORATORY BIOSAFETY MANUAL. 2003

# Ensuring Compliance



Look for a CE symbol followed by the notified body number.

This means that the manufacturing facility is audited and certified and a technical file must be completed and submitted for EC type Examination by a notified body.

**PPE Category III** gloves are a minimum requirement for personal protection in applications where there is exposure to chemicals or micro-organisms. It does not mean protection against all chemicals and micro-organisms. Assess the risk and refer to a glove's performance data for EN374-1 and -2 test standards.

**Medical Device** gloves are self-certified and are predominantly used for patient protection and other medical applications. This certification provides no standards for chemical protection.

## Your guide to choosing the right Protective Clothing

### Complete head-to-toe protection

Insufficient protection can have serious consequences for your employee's health and potentially the surrounding community. As the manufacturer of a complete head-to-toe product range KIMBERLY-CLARK PROFESSIONAL\* is uniquely positioned to address a wide range of risks facing workers in BSL 1 to BSL 3 laboratories and when requiring PPE for an epidemic, field based, response.

Simply select from the list opposite by matching the body area below with the relevant colour-coded product under each Biosafety level.



## Keeping it clean everywhere

An Exceptional Laboratory also needs products addressing the cleanliness of your work bench and the hand hygiene of the scientists.

## Biosafety level 1

Examples of pathogens in this area: virus, bacteria, or fungi<sup>1</sup>

National (regional) classification of micro-organisms can vary by risk group. Please ensure you follow your national guidelines and legislation.

### KIMBERLY-CLARK PROFESSIONAL\* Product Bundle

 **JACKSON SAFETY\* v10 Unispec** (25646)

- Low-cost wrap-around protection
- Fits over most prescription eye wear
- Side shields provide added protection



 **JACKSON SAFETY\* v20 Purity** (25654)

- Great looking lightweight, economy protective eye wear
- Wrap-around lens for better eye protection
- Comfortable, padded temples



 **KIMTECH SCIENCE\* Masks** (48100, 47090, 47080)

- High levels of comfort for good breathability
- Excellent bacterial and particle filtration to avoid contamination



 **Mask FLUIDSHIELD\*** (47147, 48247)

- Breathable film offering barrier protection against fluids
- Visor to resist fluid penetration upon impact



 **KIMTECH SCIENCE\* A7 P+ Lab Coat** (97700 - 97740)

- Elastic wrists and thumb loop for full wrist coverage
- Extra length arms help keep gloves in place



 **KIMTECH SCIENCE\* STERLING\* NITRILE Gloves** (99210 - 99214)

- Great tensile strength while maintaining excellent tactile sensitivity
- All-round protection of the Scientist, Science and the environment



 **KIMTECH SCIENCE\* GREEN NITRILE Gloves** (99850 - 99854)

- Great value with the feel of latex
- Comfortable, durable and sustainable



**NEW FOR 2015!**

 **KIMTECH SCIENCE\* COMFORT NITRILE Gloves**

Please scan the QR Code for more details



 **KIMTECH PURE\* A8 UNITRAX\* Shoe Covers** (39370 - 39372)

Anti-slip shoe covers with seamless bottom  
Ideal for Laboratories and ISO-7 Cleanrooms



## Biosafety level 2

Examples of pathogens in this area: Human herpes simplex viruses 1 and 2, Varicella-zoster virus, Salmonella arizonae, Salmonella enterica serovar enteritidis, Legionella spp<sup>1</sup>

National (regional) classification of micro-organisms can vary by risk group. Please ensure you follow your national guidelines and legislation.

### KIMBERLY-CLARK PROFESSIONAL\* Product Bundle

 **JACKSON SAFETY\* v10 Unispec** (25646)

- Low-cost wrap-around protection
- Fits over most prescription eye wear
- Side shields provide added protection



 **JACKSON SAFETY\* R20 FFP2 NR D Respirator** (64550)

Soft nose foam with cloth layer designed to improve comfort and reduce fogging on safety eyewear



 **KIMTECH SCIENCE\* A7 P+ Lab Coat** (97700 - 97740)

- Elastic wrists and thumb loop for full wrist coverage
- Extra length arms help keep gloves in place



 **KIMTECH SCIENCE\* PURPLE NITRILE\* Gloves** (90625-90629)

# 1 choice for higher risk applications, providing unrivalled protection, cleanliness and quality



 **KIMTECH SCIENCE\* STERLING\* NITRILE Gloves** (99210 - 99214)

- Great tensile strength while maintaining excellent tactile sensitivity
- All-round protection of the Scientist, Science and the environment



 **KIMTECH SCIENCE\* GREEN NITRILE Gloves** (99850 - 99854)

- Great value nitrile glove with the fit and feel of latex
- Comfortable, durable and sustainable



 **KIMTECH SCIENCE\* COMFORT NITRILE Gloves**

Please scan the QR Code for more details



 **KIMTECH PURE\* A8 UNITRAX\* Shoe Covers** (39370 - 39372)

Anti-slip shoe covers with seamless bottom  
Ideal for Laboratories and ISO-7 Cleanrooms




Can't find the product you're looking for?

Simply email us: [kimtech.support@kcc.com](mailto:kimtech.support@kcc.com)  
or visit: [www.kimtech.eu](http://www.kimtech.eu)



Need more information on a product?

Simply email us: [kimtech.support@kcc.com](mailto:kimtech.support@kcc.com)  
or visit: [www.kimtech.eu](http://www.kimtech.eu)



### Hand Hygiene with soap and paper towels

Single sheet and no-touch towels and soap dispensing help reduce the spread of germs and provide a completely hygienic experience for users.



### Hand Hygiene with sanitiser and moisturisers

Our dye and fragrance free sanitising products work rapidly against many common micro-organisms. Applying our moisturising cream afterwards helps to restore the moisture levels in your skin.



### WYPALL\* L20 and L30 Wipers

When a single-use wiper for mopping up spills, cleaning hands and wiping surfaces is needed.

## Biosafety level 3

Examples of pathogens in this area: *Bacillus anthracis*, *Mycobacterium leprae*, *Mycobacterium tuberculosis*, *Dengue viruses types 1–4*, *Hepatitis C virus*<sup>†</sup>

National (regional) classification of micro-organisms can vary by risk group. Please ensure you follow your national guidelines and legislation.

### KIMBERLY-CLARK PROFESSIONAL\* Product Bundle



#### JACKSON SAFETY\* v10 Unispec (25646)

- Low-cost wrap-around protection
- Fits over most prescription eye wear
- Side shields provide added protection



#### JACKSON SAFETY\* R30 FFP3 NR D Respirator (64590)

- Dual valves designed to maximise warm and humid airflow away from the face
- Helps to reduce fogging on eye wear



#### KLEENGUARD\* A71 Protection Coverall Type 3/4/5 (96760 - 96800)

Liquid and spray tight coverall, providing protection from particles and radioactive dust contamination



#### KIMTECH SCIENCE\* PURPLE NITRILE-XTRA\* Gloves (97610 - 97614)

- Outstanding protection for higher risk applications
- Extra long glove (30cm) for better wrist and forearm protection



#### KIMTECH SCIENCE\* STERLING\* NITRILE-XTRA\* Gloves (98341 - 98345)

- Great tensile strength while maintaining excellent tactile sensitivity
- Extra long glove (30cm) for better wrist and forearm protection



#### KIMTECH SCIENCE\* GREEN NITRILE Gloves (99850 - 99854)

- Comfortable, durable and sustainable
- To be used as donning glove only



#### KIMTECH PURE\* G3 Sterile STERLING\* Nitrile Gloves (11821 - 11828)

- Ensures safe handling of objects due to consistent grip
- Cleanroom packaged to meet the standard of ISO Class 3 or higher Cleanroom



#### KLEENGUARD\* A40 Light Duty Overboot With Sole (99820)

- Keeps footwear clean and covered
- Helps to reduce contamination and improves safety and comfort in high-risk areas



#### KIMTECH PURE\* A8 UNITRAX\* Shoe Covers (39370 - 39372)

- Anti-slip shoe covers with seamless bottom
- Ideal for Laboratories and ISO-7 Cleanrooms



#### KLEENGUARD\* A40 Light Duty Overshoe (98700)

Improved safety and comfort in high-risk areas due to anti-static base sheet



## Pandemic response PPE (field based only)

Examples of pathogens in this area: *Macacine herpesvirus*, *Ebolavirus (Bundibugyo, Reston, Sudan, Tai Forest, Zaire)*, *Marburg marburgvirus*, *Crimean/Congo haemorrhagic fever virus*<sup>†</sup>

National (regional) classification of micro-organisms can vary by risk group. Please ensure you follow your national guidelines and legislation.

### KIMBERLY-CLARK PROFESSIONAL\* Product Bundle



#### JACKSON SAFETY\* F20 Face Shield (28650) with JACKSON SAFETY\* JMAXX Face Shield - BrowGuard (28640)

- Allows the wearer comfort and freedom of movement
- Protects the whole face against particles and providing limited splash protection.



#### JACKSON SAFETY\* R30 FFP3 NR D Respirator (64590)

- Dual valves designed to maximise warm and humid airflow away from the face
- Helps to reduce fogging on eye wear



#### KLEENGUARD\* A71 Protection Coverall Type 3/4/5 (96760 - 96800)

Liquid and spray tight coverall, providing protection from particles and radioactive dust contamination



#### KLEENGUARD\* A80 Chemical Permeation & Jet Liquid Protection Coveralls, Type 3/5 (96510 - 96550)

Ultrasonic seams and tear resistant fabric offers a strong liquid tight barrier



#### KIMTECH PURE\* A5 Hood with Ties (25796)

- PPE Cat III Type 6Pb
- Small face opening for better skin coverage
- Extra length to cover top of shoulders



#### KLEENGUARD\* A40 Light Duty Short Apron (44481)

- Provides an additional barrier to reduce contamination,
- Prevents damage to coverall underneath and helps to reduce costs



#### KLEENGUARD\* A40 arm cover (98730)

Poses an additional barrier, protecting the garment underneath, providing liquid splash barrier properties



#### KIMTECH SCIENCE\* PURPLE NITRILE-XTRA\* Gloves (97610 - 97614)

- Outstanding protection for higher risk applications
- Extra long glove (30cm) for better wrist and forearm protection



#### KIMTECH SCIENCE\* STERLING\* NITRILE-XTRA\* Gloves (98341 - 98345)

- Great tensile strength while maintaining excellent tactile sensitivity
- Extra long glove (30cm) for better wrist and forearm protection



#### KLEENGUARD\* A40 Light Duty Overboot With Sole (99820)

- Keeps footwear clean and covered
- Helps to reduce contamination and improves safety and comfort in high-risk areas



## Can't find the product you're looking for?

Simply email us: [kimtech.support@kcc.com](mailto:kimtech.support@kcc.com) or visit: [www.kimtech.eu](http://www.kimtech.eu)

<sup>†</sup> The above products meet the requirements currently published by the World Health Organization. It is recommended that you continue to monitor their website for any updates to the infection control procedures for these viruses.

Coveralls and gloves shown pass ISO 16604:2004 Procedure B<sup>2</sup>. None of the above products have been tested against any specific pathogens listed in the Biosafety Level 3 and 4.



**WETTASK Wipers (7919 - bucket / 7764 - cloth)**  
A refillable, fully enclosed wiping system reducing worker exposure to solvents and optimising solvent consumption.



**KIMTECH SCIENCE\* Precision wipers (7551, 7552)**  
For wiping surfaces, parts, instruments and cleaning lenses.



**KIMTECH SCIENCE\* Delicate Task Wipers (7216, 7102)**  
For wiping surfaces, parts, instruments and cleaning lenses.

# Skin Care and Protection go Hand in Hand

The SAFEHANDS program engages employees to be healthier, safer and more productive by providing education and best practice in hand hygiene and hand protection.



For more information, contact  
KIMBERLY-CLARK PROFESSIONAL\*  
at [kimtech.support@kcc.com](mailto:kimtech.support@kcc.com)



## Introducing RightCycle\* Programs by KIMBERLY-CLARK PROFESSIONAL\*

Your company needs an effective solution to mitigate waste and help you reach your Corporate Social Responsibility (CSR) and Sustainability goals. But what's the best solution for your business?

### Introducing RightCycle\* by KIMBERLY-CLARK PROFESSIONAL\*

We have resolved the recycling process beyond downcycling, upcycling and other ideas – with the right way to recycle.

RightCycle\* makes it easy to recycle previously hard-to-recycle products like cleanroom garments and gloves. Now the garments and gloves from KIMBERLY-CLARK PROFESSIONAL\* used in your facility can be turned into a variety of useful, eco-friendly products. RightCycle\* is good for your business and good for the environment.



For more information, contact  
KIMBERLY-CLARK PROFESSIONAL\*  
at [kimtech.support@kcc.com](mailto:kimtech.support@kcc.com)

For more information visit us at [www.kimtech.eu](http://www.kimtech.eu) or email [kimtech.support@kcc.com](mailto:kimtech.support@kcc.com)



Exceptional  
Workplaces\*