KIMTECH™

Protection and Comfort should go hand in hand

Why does it matter?

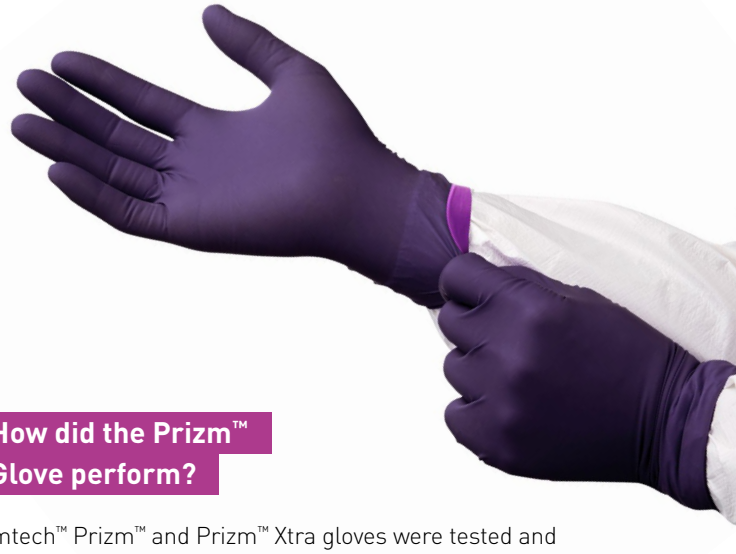
Gloves are one of the most critical elements of personal protective equipment (PPE) in a lab environment. Not only do they protect scientists and researchers from known and unknown risks, they also protect the scientific process.

Glove discomfort has been linked to ***reduced compliance and increased risk of injury***, according to an article in Health & Safety International. The article further states that ***"uncomfortable glove materials may reduce blood circulation, cause numbness, limit finger and hand motion, cause muscle fatigue and reduce work performance."*** Therefore, it is essential to consider a glove solution that applies ergonomic principles during the design stage, based on the needs and characteristics of the glove's intended users.[1] One method to ensure this is to select gloves that offer certified ergonomic comfort.

Glove ergonomics

US Ergonomics, the industry leader in product and workplace ergonomic testing and certifications, states "A product that has received certification provides measurable ergonomic benefits to the user by ***improving comfort and fit and by minimizing the risk factors that may cause injuries.***"[2]

A thorough analysis is completed through robust use of a range of qualitative and quantitative inputs, including muscle effort monitoring (electromyography), dynamic wrist postures (electro-goniometry), tactile response testing (aesthesiometry) and multiple subjective ratings from professional laboratory and health care workers.



How did the Prizm™ Glove perform?

Kimtech™ Prizm™ and Prizm™ Xtra gloves were tested and succeeded in achieving this certification. They completed the various tasks ***with a low risk of muscle fatigue,*** requiring exertion levels that were similar and, in some applications, ***less than the bare hand*** condition. The Prizm™ gloves also received positive ratings for ***fit, flexibility, tactile sensitivity, comfort.***

Prizm™ Key Features

Kimtech™ Prizm™ Gloves do not only provide certified ergonomic comfort, they offer an unparalleled combination of precision, protection and comfort.

- Crafted with a proprietary combination of polymers proven to ***protect against a wide range of common chemicals***
- ***Ultra fingertip grip*** helps to reduce risk of drops and breakage accidents, even when wet
- Multi-coloured dark violet and dark magenta design to enhance wearer safety by ***visually identifying mechanical breaches***
- Nitrile accelerator-free donning layer, ***reducing the risk of allergic reaction***

1 Health & Safety International. https://www.hsimagazine.com/article/ergonomic-gloves-1065/
2 US Ergonmics. https://us-ergo.com/product-ergonomics/ergonomics-product-certification/

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