



SPOILER ALERT: HERE'S HOW THE TEST RUN ENDS

It's no secret that contamination is the primary cause of spoiled test runs in the lab, or that human skin is the primary source of contamination. If only there was some way to stop the scientists spoiling the science.

Personal protective equipment is the first line of defence in laboratory hazard control.

Gloves, coats, masks, and hoods not only keep contaminants out of the experiment, they keep scientists and technicians safe too.

Supporting GLP compliance by protecting the Scientist and the Science

Laboratories are where practical Science takes place. In the research laboratory, contamination is not just an occasional irritation, but it can cost valuable resources including time and money. Ultimately, contamination can affect the credibility of a research group or particular scientist; publications sometimes must be withdrawn.¹

On this background, the selection of gloves for use in the laboratory is becoming increasingly important. There is a growing understanding among scientists, laboratory managers and health & safety

managers of the different ways gloves can impact laboratory activity. Requirements for demonstrating compliance with both Health & Safety Legislation and Good Laboratory Practices (GLPs) are resulting in more stringent justification of the laboratory glove selection.

This has created a shift in the way people view laboratory gloves, from what were traditionally seen as a "laboratory commodity products" to what are now viewed by many as "tools used to perform the science safely and effectively."

Kimberly-Clark Professional™ (KCP) supports GLP compliance by designing products and services that *Protect the Scientist and the Science*. Our Kimtech™ Gloves deliver on three crucial elements simultaneously:

- Protection of scientists from hazards in the laboratory.
- Protection of procedures and assays from contamination.
- Certification and assurance of the glove's performance.





Kimberly-Clark Professional™ has upgraded the published specifications of Kimtech™ Nitrile Gloves, increasing the number of chemical permeation results. As well as now publishing results against 6 common chemicals (HCL, H2SO4, NAOH, DMSO, IPA and Ethidium Bromide) on the glove boxes, an extensive list of chemical permeation results is published on www.kimtech.eu, creating one of most comprehensive results sources available for laboratory gloves.

All Kimtech™ Nitrile Gloves are now certified to EN ISO 374-1: 2016, EN 374-4: 2003 and EN ISO 374-5:2016, providing the highest level of microorganism and virus protection certification possible for laboratory gloves.

Kimtech™ Nitrile Gloves are also anti-static certified (EN1149-5). Natural rubber latex gloves and other gloves not certified for this standard could be the source of static discharge which can lead to a fire risk and endanger personnel in the laboratory. In 2012, 9 people were seriously injured during extensive fire damage at a pharmaceutical research laboratory, caused by electrostatic discharge.²

Kimtech™ Purple Nitrile™ and Sterling™ nitrile gloves are manufactured to reduce levels of residuals, outperforming most competitor laboratory gloves on cleanliness. Modern procedures and equipment in the laboratory can be more sensitive to contamination.

In 2010 an astonishing 8.45 percent of cultures commercially tested from biopharmaceutical sources were contaminated.³

Kimtech™ Nitrile gloves have set a new standard in Laboratory glove quality by publishing Certificates of Analysis (CoA) with every production lot. These certificates provide customers with assurance on the barrier integrity and cleanliness of the gloves, meaning that whether used in the Laboratory or the Manufacturing environment, you can be sure these gloves are now part of your GLP or GMP compliance delivery.

A rich source of on-line documents, including Technical Data Sheets, Declarations of Conformity and Certificates of Analysis can be found on our website www.kimtech.eu/resources

Knowing how paramount personal safety and process protection are to Laboratories and Manufacturing environments, moving to Kimtech™ Gloves gives you the confidence that your glove selection is contributing towards compliance of GLP and GMP at your facility.

Get in touch at kimtech.support@kcc.com for more information on Kimtech™ Gloves or to order free samples and start a trial.

Sources:

- 1 Cell Culture Contamination: <http://www.labmanager.com/?articles.view/articleNo/4618/title/Cell-Culture-Contamination/>
- 2 <http://www.fiercepharmamanufacturing.com/story/fire-disrupts-production-teva-plant-croatia/2012-03-20>
- 3 <http://www.labmanager.com/?articles.view/articleNo/4618/title/Cell-Culture-Contamination/>

Author:

Franck Bureth, Category Manager,
Kimberly-Clark Professional™