

All-round protection is in your hands

KIMTECH SCIENCE* Nitrile Glove range.
Superior protection for Scientists and their Science.

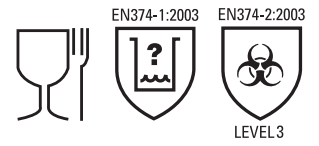


It all adds up...
to Exceptional Laboratories

Choosing the right glove

KIMTECH SCIENCE* Gloves are vital tools in laboratory and research environments, providing all-round protection in a wide range of scientific applications – protecting the Scientist and the Science.

CATEGORY III PPE



KIMTECH SCIENCE* PURPLE NITRILE* Gloves

Unrivalled protection, cleanliness and quality¹
Our #1 choice for higher risk applications.

- Market leading glove in Life Sciences and Pharmaceutical Manufacturing
- Best chemical protection in the range, tested against over 50 chemicals
- Strength, quality and cleanliness tracked by Certificate of Analysis



KIMTECH SCIENCE* STERLING* Nitrile Gloves

Innovation combines protection, comfort and sustainability for all-round care of the Science and the Environment.

- STERLING* Nitrile gloves is our best combination of protection, comfort and tactile sensitivity
- Tested against over 40 chemicals
- Strength, quality and cleanliness tracked by Certificate of Analysis



KIMTECH SCIENCE* GREEN NITRILE Gloves

Comfortable, durable and sustainable, providing protection for low risk research applications.

- Distinctive colour for task differentiation
- 250 gloves per standard sized box – reduces waste, space and environmental impact
- Better chemical protection than latex², over 30 chemicals tested



KIMTECH SCIENCE* COMFORT NITRILE Gloves

Combines high comfort, quality and cleanliness for protection in low risk research applications.

- A brand-new nitrile formulation engineered for comfort
- 150 gloves per standard sized box for all sizes
- Better chemical protection than latex, tested on the 6 most common chemicals in the lab



EN374-1:2003	EN374-2:2003	AQL	Virus Protection	Material	Protection level against Risks			Product Code	Description	Sizing	Glove Length	Gloves/Case
					Biohazard ³	Chemical ⁴	Contaminants ⁵					
EN374-1:2003 	EN374-2:2003 	0.65	ISO 16604: 2004 Proc. B	Nitrile				97610-97614	KIMTECH SCIENCE* PURPLE NITRILE-XTRA* Gloves	XS-XL	30cm	500
		0.65	ISO 16604: 2004 Proc. B					90625-90629	KIMTECH SCIENCE* PURPLE NITRILE* Gloves	XS-XL	24-25cm	1,000 (XL: 900)
		0.65	ISO 16604: 2004 Proc. B					98341-98345	KIMTECH SCIENCE* STERLING NITRILE-XTRA* Gloves	XS-XL	30cm	1,000 (XL: 900)
		0.65	ISO 16604: 2004 Proc. B					99210-99214	KIMTECH SCIENCE* STERLING* Gloves	XS-XL	24-25cm	1,500 (XL: 1,400)
		0.65	ISO 16604: 2004 Proc. B					99850-99854	KIMTECH SCIENCE* GREEN NITRILE Gloves	XS-XL	24-25cm	1,500 (XL: 1,350)
		0.65	ISO 16604: 2004 Proc. B					47672-47676	KIMTECH SCIENCE* COMFORT NITRILE Gloves	XS-XL	24-25cm	1,500
EN374-2:2003 	EN374-2:2003 	1.5	ISO 16604: 2004 Proc. B	Latex				50501-50504	KIMTECH SCIENCE* PFE-XTRA* Gloves	XS-XL	30cm	500
		1.5	ISO 16604: 2004 Proc. B					E110-E550	KIMTECH SCIENCE* PFE* Gloves	XS-XL	24-25cm	1,000 (XL: 900)
		1.5	ISO 16604: 2004 Proc. B					SP2110-SP2550	KIMTECH SCIENCE* SATIN PLUS* Gloves	XS-XL	24-25cm	1,000 (XL: 900)

1. For KIMTECH SCIENCE* gloves
2. vs. KIMTECH SCIENCE* PFE* Latex gloves
3. Biohazard protection, EN374-2:2003 air and liquid leak test using ISO2859 sampling to determine Acceptable Quality Limit (AQL)
4. Limited chemical splash protection EN374-3:2003 chemical permeation test results for individual chemicals available on www.kimtech.eu
5. Contaminants: IEST-RP-CC005.3 test method to measure level of particles, non-volatile residue and extractable ions, conducted periodically by internal product testing laboratory

EN374-1 Protective gloves against chemicals and micro-organisms
EN374-2 Determination of resistance to Water Penetration
EN374-3 Determination of resistance to Permeation by Chemicals

Together we create Exceptional Laboratories

The True Costs

4% of the
World's
GDP

Total costs of work-related
accidents and ill-health¹

€ 1.5
Million

Additional costs per year
due to contaminated blood
and tissue cultures²

> €45K
Penalties

Cost on average for using the
wrong type of PPE also violating
GLP and EC directive 89/686/EEC³

Demonstrating GLP Compliance

Health & Safety Legislation and Good Laboratory Practices (GLP) are resulting in more stringent justification of the laboratory glove selection.

KIMBERLY-CLARK PROFESSIONAL* delivers products and services that support GLP compliance by protecting the Scientist and the Science.



Protection of the Scientist

Laboratory Safety is your #1 Priority. KIMTECH SCIENCE* Nitrile gloves are specifically designed to protect Scientists from Chemical Splash and Micro-Organism Hazards.

- Most comprehensive Chemical Permeation test results of any Laboratory Gloves on the market
- EN374-2 Level 3 and ISO 16604:2004 certification - the highest level of micro-organism protection possible for laboratory gloves
- Meeting the requirements for antistatic according to EN1149-5:2008 - static discharge can be a fire risk
- Non detectable level of chemical accelerators to mitigate risk of skin irritation



Protection of the Science

Protection of procedures and assays from contamination is vital. Contamination costs time, money and credibility.

- Manufactured to reduce levels of residuals, outperforming competitor laboratory gloves on cleanliness
- Certificates of Analysis for each production lot demonstrates low residue levels⁶
- Non detectable levels of silicone, amide and phthalate (DOP)



Assured Compliance

Health & Safety and GLP compliance are the foundation of Exceptional Laboratories.

KIMBERLY-CLARK PROFESSIONAL* makes demonstrating compliance with Laboratory gloves easier than before

- PPE Category III Certified for protecting from Chemical Splash and Micro-Organism Hazards and compliant with medical device standards EN455-1, -2, -3, -4
- Publish Certificates of Analysis (CoA) with every production lot to provide you with assurance of barrier quality and cleanliness of the gloves⁶
- QR codes on all boxes link to a rich source of on-line documents, including Technical Data Sheets, CE Certificates and a link to our Certificates of Analysis website

Personal safety and process protection are paramount in laboratories and production areas.

KIMTECH SCIENCE* gloves give you the confidence that your glove selection is contributing towards GLP and GMP compliance at your facility.

Create an Exceptional Laboratory
by choosing KIMTECH SCIENCE*
Gloves today!

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 "Clinical and economic impact of contaminated blood cultures within the hospital setting" <http://www.sciencedirect.com/science/article/pii/S0195670110004548>. Science Direct. 2011

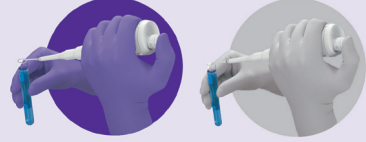

³ "Inadequate PPE leads to worker contracting dermatitis" <http://www.shponline.co.uk/in-court/in-court/full/inadequate-ppe-leads-to-worker-contracting-dermatitis#sthash.SHP> Online. 2009

⁴ HCL, H2SO4, NaOH, DMSO, IPA and Ethidium Bromide³. HCL, H2SO4, NaOH, DMSO, IPA and Ethidium Bromide

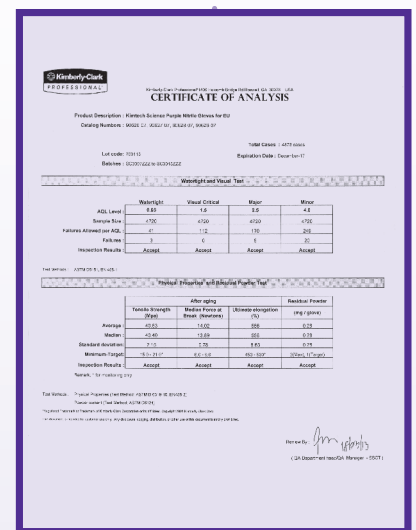
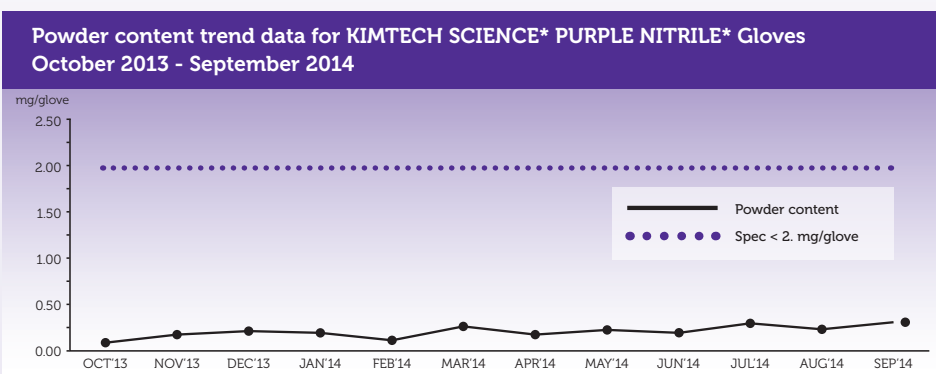
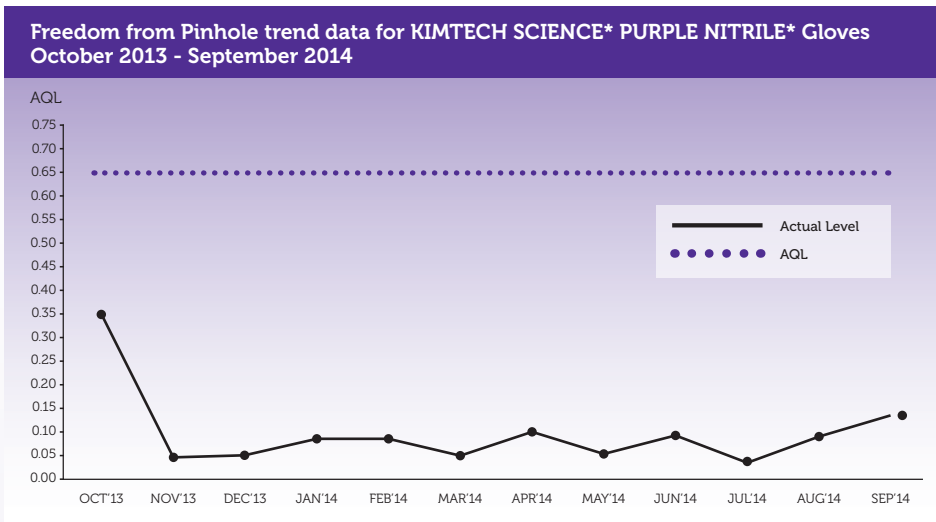
⁵ "Cell Culture Contamination" www.labmanager.com/articles/view/articleNo/4618/title/Cell-Culture-Contamination Lab Manager. 2011

⁶ For KIMTECH SCIENCE* PURPLE NITRILE*, PURPLE-NITRILE XTRA*, STERLING* and STERLING XTRA* only

All-round protection for Scientific Applications

Applications								
Molecular Biology	Biochemistry	Chemistry	Analytical Chemistry	Virology	Genomics	Proteomics	Forensic Science	Non-Sterile Pharmaceutical Production
Main Techniques	Primary Risk	Secondary Risk	Primary / Alternative Choice					
Electrophoresis	Chemicals	Contamination						
Polymerase chain reaction	Contamination	Biohazard						
DNA extraction	Chemicals	Contamination						
Chemical Synthesis & Derivatization	Chemicals	Contamination						
Pathology	Biohazard	Contamination						
Toxicology	Chemicals	Biohazard						
Cell Culture	Contamination	Sensitive Instruments						
Microscopy	Contamination	Sensitive Instruments						
Spectroscopy	Contamination	Sensitive Instruments						
Chromatography	Chemicals	Contamination						

Certificate of Analysis (CoA) with every production lot⁷



Download certificates from www.kcproductselector.com/certificates

7. For KIMTECH SCIENCE* PURPLE NITRILE*, PURPLE-NITRILE XTRA*, STERLING* and STERLING XTRA* only

Chemical Permeation breakthrough times according to EN374-3:2003

EN374-3:2003 Permeation breakthrough times									
Class	0	1	2	3	4	5	6		
Time	<10	10-30	30-60	60-120	120-240	240-480	>480		
Usage	Not recommended	Splash protection		Medium protection		High protection			
Chemicals	Concentration	CAS Number	Class	Scientific applications	Hazard Symbol	Breakthrough time (minutes)			
						PURPLE NITRILE*	STERLING* Nitrile	GREEN NITRILE	COMFORT NITRILE
Acetic acid	10%	64-19-7	Organic acid	Chemical synthesis		>480	>480	>480	
Acetone	99%	67-64-1	Ketone	Solvent for laboratory cleaning oxidation, SN2 reactions		<5	<5	<5	
Acetonitrile	99.9%	75-05-08	Nitrile	Chemical synthesis, liquid chromatography, DNA analysis		<5	<5	<5	
Acrylamide	40%	79-06-1	Amide	Electrophoresis, DNA analysis		>480	>480	>480	
Citric acid (monohydrate)	30%	5949-29-1	Organic acid	Passivate high-purity process piping in biotech and pharma industry		>480	>480	>480	>480
Cyclohexane	99.7%	110-82-7	Solvent	Solvent, analysis, calibration of differential scanning calorimetry		153	13		46
Dichloromethane	99%	75-09-2	Chloro-Hydrocarbon	Solvent for organic compounds, plastic welding adhesive		<5	<5	<5	
Diethyl ether	99.9%	60-29-7	Ether	Solvent, liquid-liquid extraction		<5	<5	<5	<5
Dimethyl Sulphoxide	99%	67-68-5	Solvent	Polymerised chain reaction, organic synthesis, extractant in biochemistry		40	21		12
Ethanol	70%	64-17-5	Alcohol	General purpose solvent		89	9	38	22
Ethidium bromide	1%	1239-45-8	Intercalating agent	Fluorescent tag for electrophoresis		>480	>480	>480	>480
Formaldehyde	37%	50-00-0	Aldehyde	Chemical synthesis		>480	>480	>480	79
Glutaraldehyde	50%	111-30-8	Aldehyde	Biochemical synthesis, creation of toxoid vaccines		>480	>480	>480	
Hydrochloric acid	30%	7647-01-0	Inorganic acid	Chemical synthesis, pH regulation, ion exchange		340	397	164	405
Hydrochloric acid	37%	7647-01-0	Inorganic acid	Chemical synthesis, pH regulation, ion exchange		173	88	14	13
Hydrogen peroxide	30%	7722-84-1	Oxidizing agent	Disinfectant, antiseptic, oxidizer		84	7	14	16
Isopropanol	70%	67-63-0	Alcohol	Solvent, Disinfectant, Cleaning electronic devices		74	61	27	56
Methanol	99%	67-56-1	Alcohol	Solvent, electrophoresis		7	<5	<5	
Nitric Acid	50%	7697-37-2	Inorganic acid	Chemical synthesis, strong oxidizing agent		26	<5	7	12
Nitric Acid	70%	7697-37-2	Inorganic acid	Chemical synthesis, strong oxidizing agent		9	<5	<5	
Sodium hydroxide	40%	1310-73-2	Base	pH regulation, organic synthesis		>480	>480	>480	>480
Sodium hydroxide	50%	1310-73-2	Base	pH regulation, organic synthesis		>480	>480	>480	>480
Sulphuric acid	50%	7664-93-9	Inorganic acid	Dehydrating agent, many industrial applications		>480	>480	>480	>480
Sulphuric acid	95%	7664-93-9	Inorganic acid	Dehydrating agent, many industrial applications		10	6	<5	
Toluene	99.9%	108-88-3	Aromatic hydrocarbon	Solvent, fullerene indicator, carbon nanotubes, hemoglobin extraction		<5	<5	<5	
Xylene	99%	1330-20-7	Aromatic hydrocarbon	Solvent, cleaning agent for steel, silicon wafers, chips, and dry ice baths		<5	<5	<5	

Data given are based on results of tests performed in accordance with EN374-3:2003, by an independent laboratory. These tests may not adequately replicate any specific condition of use. Kimberly-Clark has no detailed knowledge or control over the conditions of end use, therefore data must be for advisory purposes only, and Kimberly-Clark must decline any liability.



Visit www.kimtech.eu

- Full list of EN374-3:2003 chemical permeation test results for all gloves
- Technical data sheets, declarations of conformity and EC type examination certificate
- Regulatory information, importance of certified personal protective equipment vs. medical device gloves
- GreenMeter measuring reduction in waste, space, cost and environmental impact

Introducing **RightCycle*** Program 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



For more information visit us at www.kimtech.eu or email kimtech.support@kcc.com



Exceptional
Workplaces*