

All-round protection is in your hands

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



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.

CE 0120



LEVEL 3



KIMTECH SCIENCE* PURPLE NITRILE* Gloves

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

- A market leading glove in Life Sciences and Pharmaceutical Manufacturing
- Best chemical protection in the range, tested against over 50 chemicals and 20 cytotoxic drugs²
- 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 and 10 cytotoxic drugs²
- Strength, quality and cleanliness tracked by Certificate of Analysis



KIMTECH SCIENCE* GREEN NITRILE Gloves

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

- 250 gloves per standard sized box – reduces waste, space and environmental impact
- Better chemical protection than latex³, over 30 chemicals tested



EN374-1:2003	EN374-2:2003	AQL	Virus Protection	Material	Protection level against Risks			Product Code	Description	Sizing	Glove Length	Gloves/Case
					Biohazard ⁴	Chemical ⁵	Contaminants ⁶					
		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)
		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. per ASTM 6978-05
 3. vs. KIMTECH SCIENCE* PFE* Latex gloves
 4. Biohazard protection, EN374-2:2003 air and liquid leak test using ISO2859 sampling to determine Acceptable Quality Limit (AQL)
 5. Limited chemical splash protection EN374-3:2003 chemical permeation test results for individual chemicals available on www.kimtech.eu
 6. 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.⁴

- Manufactured to reduce levels of residuals, outperforming competitor laboratory gloves on cleanliness
- Certificates of Analysis for each production lot demonstrates low residue levels
- 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
- Publish Certificates of Analysis (CoA) with every production lot to provide you with assurance of barrier quality and cleanliness of the gloves
- 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.SHPOnline.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

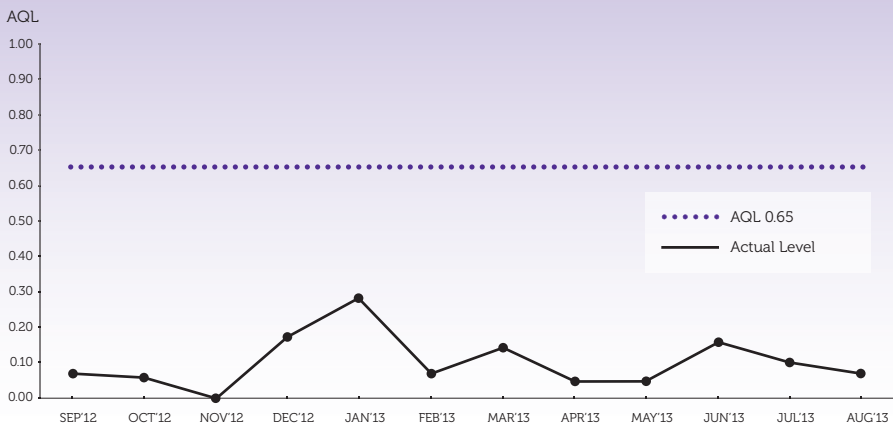
⁶ For KIMTECH SCIENCE* PURPLE NITRILE*, PURPLE-NITRILE XTRA*, STERLING* and STERLING XTRA* only

All-round protection for Scientific Applications

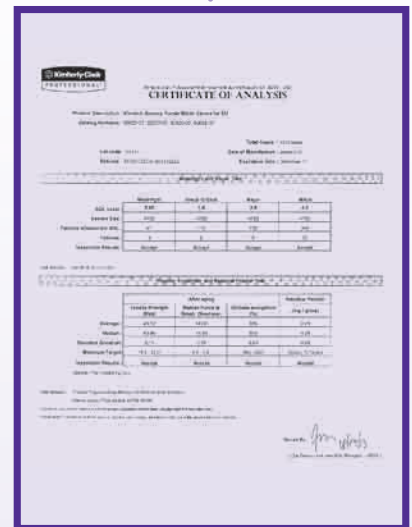
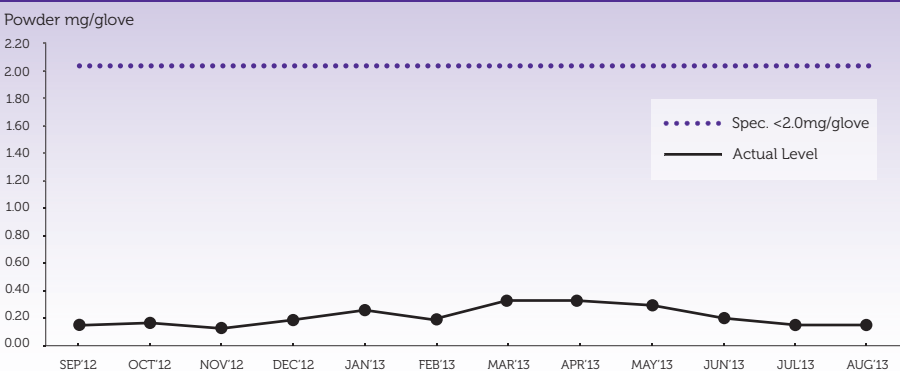
Applications								
Molecular Biology	Biochemistry	Chemistry	Analytical Chemistry	Virology	Genomics	Proteomics	Forensic Science	Non-Sterile Pharmaceutical Production
Main Techniques		Primary Risk		Secondary Risk		Primary / Alternative Choice		
Electrophoresis		Chemicals		Contamination				
Polymerase 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

Freedom from pinholes trend data for KIMTECH SCIENCE* PURPLE NITRILE* Gloves September 2012 - August 2013



Powder content trend data for KIMTECH SCIENCE* PURPLE NITRILE* Gloves September 2012 - August 2013



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	CAS Number	Type	Scientific applications	REACH Symbol	Breakthrough time (minutes)		
					GREEN NITRILE	STERLING* Nitrile	PURPLE NITRILE*
Acetic acid, concentration 10%	64-19-7	Organic acid	Chemical synthesis		>480	>480	>480
Acetone, concentration 99.8%	67-64-1	Ketone	Solvent for laboratory cleaning oxidation, SN2 reactions		<2	<2	<2
Acetonitrile, concentration 99.9%	75-05-08	Nitrile	Chemical synthesis, liquid chromatography, DNA analysis		<2	<2	<2
Acrylamide, concentration 40%	79-06-1	Amide	Electrophoresis, DNA analysis		>480	>480	>480
1-Butanol, concentration 99%	71-36-3	Alcohol	Chemical extraction, liquid chromatography		<2	32	50
Citric acid (monohydrate), concentration 30%	5949-29-1	Organic acid	Passivate high-purity process piping in biotech and pharma industry		>480	>480	>480
Cyclohexane, concentration 99.7%	110-82-7	Solvent	Solvent, analysis, calibration of differential scanning calorimetry		28	>480	>480
Dichloromethane, concentration 99%	75-09-2	Chloro-Hydrocarbon	Solvent for organic compounds, plastic welding adhesive		<2	<2	<2
Diethylether, concentration 99.9%	60-29-7	Ether	Solvent, liquid-liquid extraction		<2	<2	<2
Dimethyl Sulphoxide, concentration 99%	67-68-5	Solvent	Polymerised chain reaction, organic synthesis, extractant in biochemistry		16	21	57
Ethanol, concentration 70%	64-17-5	Alcohol	General purpose solvent		16	26	59
Ethidium bromide, concentration 1%	1239-45-8	Intercalating agent	Fluorescent tag for electrophoresis		>480	>480	>480
Formaldehyde, concentration 37%	50-00-0	Aldehyde	Chemical synthesis		>480	>480	>480
Glutaraldehyde, concentration 50%	111-30-8	Aldehyde	Biochemical synthesis, creation of toxoid vaccines		>480	>480	>480
Hydrochloric acid, concentration 30%	7647-01-0	Inorganic acid	Chemical synthesis, pH regulation, ion exchange		210	397	>480
Hydrochloric acid, concentration 37%	7647-01-0	Inorganic acid	Chemical synthesis, pH regulation, ion exchange		43	88	173
Hydrogen peroxide, concentration 30%	7722-84-1	Oxidizing agent	Disinfectant, antiseptic, oxidizer		15	>480	>480
Isopropanol, concentration 70%	67-63-0	Alcohol	Solvent, Disinfectant, Cleaning electronic devices		27	103	144
Methanol, concentration 99%	67-56-1	Alcohol	Solvent, electrophoresis		<2	<5	7
Nitric Acid, concentration 50%	7697-37-2	Inorganic acid	Chemical synthesis, strong oxidizing agent		11	13	60
Nitric Acid, concentration 70%	7697-37-2	Inorganic acid	Chemical synthesis, strong oxidizing agent		<2	<5	9
Sodium hydroxide, concentration 40%	1310-73-2	Base	pH regulation, organic synthesis		>480	>480	>480
Sodium hydroxide, concentration 50%	1310-73-2	Base	pH regulation, organic synthesis		>480	>480	>480
Sulphuric acid, concentration 50%	7664-93-9	Inorganic acid	Dehydrating agent, many industrial applications		>480	>480	>480
Sulphuric acid, concentration 95%	7664-93-9	Inorganic acid	Dehydrating agent, many industrial applications		<2	6	10
Toluene, concentration 99.9%	108-88-3	Aromatic hydrocarbon	Solvent, fullerene indicator, carbon nanotubes, hemoglobin extraction		<2	<2	<2
Xylene, concentration 99%	1330-20-7	Aromatic hydrocarbon	Solvent, cleaning agent for steel, silicon wafers, chips, and dry ice baths		<2	<2	<2

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* Programmes 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.



The RIGHTCYCLE* process from distributor to park bench



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



Exceptional
Workplaces*