

Exam Gloves

PROVEN PERFORMANCE FOR MAXIMUM PROTECTION

Halyard's range of PURPLE NITRILE* Exam Gloves are the ideal choice for healthcare workers who need proven barrier protection from chemotherapeutic agents, hazardous drugs, bacteria and blood borne viruses.



Our rigorously tested range of PURPLE NITRILE* Exam Gloves are tested against 52 chemotherapy and hazardous drugs across 15 drug classes, offering the highest level of protection from our glove portfolio.

This represents a broad spectrum of molecule sizes, solvent carriers (aqueous and non-aqueous) and drug classes, including monoclonal antibodies (Rituximab) and platinum based alkylating agents (Carboplatin).

- PURPLE NITRILE-XTRA* Exam Gloves offer the highest level of protection, tested against 52 chemotherapy and hazardous drugs.
- PURPLE NITRILE* Exam Gloves also offer a high level of protection, tested against 29 chemotherapy and hazardous drugs.

In addition, Halyard transparently provides results of the drugs tested, including dosage and breakthrough times, so you know you and your team are protected.

PATENTED NITRILE PROTECTION FROM STRIKETHROUGH

Halyard's manufacturing process and patented formulation boosts the tensile strength of nitrile – the force required to break through the glove – to increase its already superior barrier protection qualities.

PURPLE NITRILE-XTRA* and PURPLE NITRILE* have been tested as per ASTM D6978-05 "Standard Practice for Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs" as well as common chemicals found in the healthcare environment.

PURPLE NITRILE* Exam Gloves have been tested against the following chemotherapy drugs using ASTM D6978-05 and obtained the results listed below:

CHEMOTHERAPY DRUG	CONCENTRATION	52 PURPLE NITRILE-XTRA* EXAM GLOVES	29 PURPLE NITRILE* EXAM GLOVES
Arsenic Trioxide	1 mg/ml	Up to 240 mins	Not for use
Azacitidine (Vidaza)	25 mg/ml	Up to 240 mins	Not for use
Bendamustine	5 mg/ml	Up to 240 mins	Not for use
Bleomycin sulfate	15.0 mg/ml	Up to 240 mins	Up to 240 mins
Bortezomib (Velcade)	1 mg/ml	Up to 240 mins	Not for use
Busulfan	6.0 mg/ml	Up to 240 mins	Up to 240 mins
Carboplatin	10.0 mg/ml	Up to 240 mins	Up to 240 mins
Carfilzomib	2 mg/ml	Up to 240 mins	Not for use
Cetuximab (Erbixub)	2 mg/ml	Up to 240 mins	Not for use
Cisplatin	1.0 mg/ml	Up to 240 mins	Up to 240 mins
Cyclophosphamide	20.0 mg/ml	Up to 240 mins	Up to 240 mins
Cytarabine HCl	100.0 mg/ml	Up to 240 mins	Up to 240 mins
Cytovene	10 mg/ml	Up to 240 mins	Not for use
Dacarbazine	10.0 mg/ml	Up to 240 mins	Up to 240 mins
Daunorubicin HCl	5.0 mg/ml	Up to 240 mins	Up to 240 mins
Decitabine	5 mg/ml	Up to 240 mins	Not for use
Docetaxel	10.0 mg/ml	Up to 240 mins	Up to 240 mins
Doxorubicin HCl	2.0 mg/ml	Up to 240 mins	Up to 240 mins
Ellence	2 mg/ml	Up to 240 mins	Up to 240 mins
Eribulin Mesylate	0.5 mg/ml	Up to 240 mins	Not for use
Etoposide	20.0 mg/ml	Up to 240 mins	Up to 240 mins
Fludarabine	25.0 mg/ml	Up to 240 mins	Up to 240 mins
Fluorouracil	50.0 mg/ml	Up to 240 mins	Up to 240 mins
Fulvestrant	50 mg/ml	Up to 240 mins	Not for use
Gemcitabine HCl	38.0 mg/ml	Up to 240 mins	Up to 240 mins
Idarubicin	1.0 mg/ml	Up to 240 mins	Up to 240 mins
Ifosfamide	50.0 mg/ml	Up to 240 mins	Up to 240 mins
Irinotecan	20.0 mg/ml	Up to 240 mins	Up to 240 mins
Mechlorethamine HCl	1.0 mg/ml	Up to 240 mins	Up to 240 mins
Melphalan	5.0 mg/ml	Up to 240 mins	Up to 240 mins
Methotrexate	25.0 mg/ml	Up to 240 mins	Up to 240 mins
Mitomycin-C	0.5 mg/ml	Up to 240 mins	Up to 240 mins
Mitoxantrone	2.0 mg/ml	Up to 240 mins	Up to 240 mins
Oxaliplatin	2 mg/ml	Up to 240 mins	Not for use
Paclitaxel	6.0 mg/ml	Up to 240 mins	Up to 240 mins
Paraplatin	10 mg/ml	Up to 240 mins	Not for use
Pemetrexed	25 mg/ml	Up to 240 mins	Not for use
Pertuzumab	30 mg/ml	Up to 240 mins	Not for use
Raltitrexed	0.5 mg/ml	Up to 240 mins	Not for use
Retrovir	10 mg/ml	Up to 240 mins	Not for use
Rituximab	10.0 mg/ml	Up to 240 mins	Up to 240 mins
Temsirolimus	25 mg/ml	Up to 240 mins	Not for use
ThioTEPA	10 mg/ml	Up to 240 mins	Not for use
Topotecan HCl	1 mg/ml	Up to 240 mins	Not for use
Trastuzumab	21 mg/ml	Up to 240 mins	Not for use
Triclosan	1 mg/ml	Up to 240 mins	Not for use
Trisenox	0.1 mg/ml	Up to 240 mins	Up to 240 mins
Vinblastine	1 mg/ml	Up to 240 mins	Not for use
Vincristine Sulfate	1.0 mg/ml	Up to 240 mins	Up to 240 mins
Vinorelbine	10 mg/ml	Up to 240 mins	Not for use
Zoledronic Acid	0.8 mg/ml	Up to 240 mins	Not for use

The following chemotherapy drug and concentration showed breakthrough detected in the following time:

PURPLE NITRILE-XTRA*: Carmustine (3.3 mg/ml) 80.4 mins

PURPLE NITRILE*: Warning: Not for Use with Carmustine, ThioTEPA

PURPLE NITRILE-XTRA* Exam Gloves also provide additional protection against the following drugs and chemicals:

	BREAKTHROUGH TIME
Hydrogen Peroxide (30%)	60 minutes
n-Hexane (96.1%)	46 minutes
Isopropyl Alcohol (70%)	79 minutes
Ortho-phthalaldehyde/Cidex OPA	173 minutes
Hydrochloric Acid (37%)	> 480 minutes

Testing per ASTM F739 Standard Test Method for Permeation of Liquids and Gases through Protective Clothing Materials under Conditions of Continuous Contact.

CAUTION: The testing conditions used are intended to approximate the worst case conditions for clinical use. Testing was conducted on single layer glove material. It is the users' responsibility to determine the applicability of these gloves for their intended use with chemotherapy drugs. Gloves used for protection against chemotherapy drug exposure should be selected specifically for the type of chemicals used. Review material safety data sheets for the drug being used to determine the adequate level of protection.

PURPLE NITRILE* RANGE MEETS AND EXCEEDS THE STANDARDS

PRODUCT SPECIFICATIONS

- Exceeds AS/NZS 4011
- Powder-free
- Natural rubber latex-free
- Non-sterile
- Beaded cuff
- Enhanced wet and dry grip
- Ambidextrous
- PURPLE NITRILE* gloves are tested against 29 chemotherapy and other hazardous agents
- PURPLE NITRILE-XTRA* gloves are tested against 52 chemotherapy and other hazardous agents



PURPLE NITRILE* EXAM GLOVES

Code	Description	Size	Packaging
52000M	PURPLE NITRILE* Exam Gloves	X-Small	100 eaches/box 10 boxes/case
52001M	PURPLE NITRILE* Exam Gloves	Small	100 eaches/box 10 boxes/case
52002M	PURPLE NITRILE* Exam Gloves	Medium	100 eaches/box 10 boxes/case
52003M	PURPLE NITRILE* Exam Gloves	Large	100 eaches/box 10 boxes/case
52004M	PURPLE NITRILE* Exam Gloves	X-Large	90 eaches/box 10 boxes/case

PURPLE NITRILE-XTRA* EXAM GLOVES

Code	Description	Size	Packaging
50600M	PURPLE NITRILE-XTRA* Exam Gloves	X-Small	50 eaches/box 10 boxes/case
50601M	PURPLE NITRILE-XTRA* Exam Gloves	Small	50 eaches/box 10 boxes/case
50602M	PURPLE NITRILE-XTRA* Exam Gloves	Medium	50 eaches/box 10 boxes/case
50603M	PURPLE NITRILE-XTRA* Exam Gloves	Large	50 eaches/box 10 boxes/case
50604M	PURPLE NITRILE-XTRA* Exam Gloves	X-Large	50 eaches/box 10 boxes/case

PHYSICAL PROPERTIES

	AS/NZS 4011:2014 ¹	PURPLE NITRILE*	
ELONGATION:			
Before Ageing:	500%	550%	✓
After Ageing:	400%	500%	✓
FORCE AT BREAK:			
Before Ageing:	7.0 N	9.0 N	✓
After Ageing:	6.0 N	9.0 N	✓
THICKNESS:			
Middle Finger (mm):	0.08	0.15	✓
Palm (mm):	0.08	0.12	✓
CUFF LENGTH:			
Minimum (mm):	240	252	✓

	AS/NZS 4011:2014 ¹	PURPLE NITRILE-XTRA*	
ELONGATION:			
Before Ageing:	500%	550%	✓
After Ageing:	400%	550%	✓
FORCE AT BREAK:			
Before Ageing:	7.0 N	8.0 N	✓
After Ageing:	6.0 N	8.0 N	✓
THICKNESS:			
Middle Finger (mm):	0.08	0.15	✓
Palm (mm):	0.08	0.12	✓
CUFF LENGTH:			
Minimum (mm):	240	310	✓



Infection Prevention Product Solutions
 Halyard* Education Foundation
 Tools & Best Practice
 Commitment to Excellence and Sustainability
 Experienced Customer Support
 Knowledgeable Sales Force
 Innovation & Technology



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1. AS/NZS 2014
 2. Data on file.