

Life Science Gloves Product Information - Global

Product Family: HALYARD* PUREZERO* MARIN* Nitrile Exam Gloves Produce Codes: 48766 (XS), 48767 (S), 48768 (M), 48769 (L), and 48770 (XL) Alt Codes: LFS111XS, LFS111SM, LFS111MD, LFS111LG, LFS111XL

ISO 374-1/TYPE B	Permeation Test		Degradation Test
	EN 16523-1:2015+A1:2018		EN ISO 374-4:2019
KTP EN ISO 374-1:2016+A1:2018	minimum breakthrough time (min)	Performance Level	Degradation (%)
Sodium Hydroxide, 40% (K)	>480	6	-39.6
Formaldehyde, 37% (T)	>480	6	32.4
n-Heptane, 99% (P)	>38.9	2	65.6

ISO 21420:2020 Dexterity Classification = 5

Protection against micro-organisms risks to EN ISO 374-5:2016

Bacteria and fungi (Test method EN ISO 374-2:2019)PASSViruses (Test Method ISO 16604:2004)PASS



 Tested for Use with Chemotherapy Drugs: Per ASTM D6978 				
Standard Practice for Assessment of Resistance of Medical Gloves to Permeation by				
Chemotherapy Drugs				
1,7 0				
Indications of Use				
The PURE ZERO* MARIN* Nitrile Exam Glove with Chemotherapy Drugs, Fentanyt Citrate and Gastric				
Acid claim is a disposable device intended for medical purposes that is worn on the examiner's hand				
to prevent contamination between patient and examiner.				
The following chemotherapy drugs and concentration had NO breakthrough detected up to 240				
minutes:	concentration had no breakthrough detected up to 240			
Cisplatin (1 mg/ml)	Mitomycin (0.5 mg/ml)			
Cyclophosphamide (20 mg/ml)	Mitoxantrone HCl (2 mg/ml)			
Dacarbazine (10 mg/ml)	Paclitaxel (6 mg/ml)			
Doxorubicin HCI (2 mg/ml)	Vincrinstine Sulfate (1 mg/ml)			
Etoposide (20 ml/ml)	Fentanyl Citrate Injection (100 mcg/2 ml)			
Fluorouracil (50 mg/ml)	Simulated Gastric Acid Fluid/Fentanyl			
Ifosfamide (50 mg/ml)	Citrate Injection Mix 50/50 Solution			
Methotrexate (25 mg/ml)				
The following chemotherapy drugs and concentration showed breakthrough detected in less than				
90 minutes:				
Carmustine (3.3 mg/ml)	55.2 minutes			
Thiotepa (10 mg/ml)	88.6 minutes			
Warning: Not for use with Carmustine or Thiotepa				



Product Family: HALYARD* PUREZERO* MARIN-XTRA* Nitrile Exam Gloves Produce Codes: 48761 (XS), 48762 (S), 48763 (M), 48764 (L), and 48765 (XL) Alt Product Codes: LFS121XS, LFS121SM, LFS121MD, LFS121LG, LFS121XL

ISO 374-1/TYPE B	Permeation Test EN 16523-1:2015+A1:2018		Degradation Test
			EN ISO 374-4:2019
KTP EN ISO 374-1:2016+A1:2018	minimum breakthrough time (min)	Performance Level	Degradation (%)
Sodium Hydroxide, 40% (K)	>480	6	-39.6
Formaldehyde, 37% (T)	>480	6	32.4
n-Heptane, 99% (P)	>38.9	2	65.6

PASS

PASS

ISO 21420:2020 Dexterity Classification = 5

Protection against micro-organisms risks to EN ISO 374-5:2016

Bacteria and fungi (Test method EN ISO 374-2:2019) Viruses (Test Method ISO 16604:2004)



 Tested for Use with Chemotherapy Drugs: Per ASTM D6978 				
Standard Practice for Assessment of Resistance of Medical Gloves to Permeation by				
Chemotherapy Drugs				
chemotherapy brags				
Indications of Use				
The DIDE 7EPO* MARIN_XTRA* Nitrile Exam Glove with Chemotherapy Drugs. Fentanyt Citrate and				
Castric Acid claim is a disposable device intended for medical nurneses that is were on the examiner's				
band to provent contamination between	nation and ovaminor			
nand to prevent contamination between patient and examiner.				
The following chemotherapy drugs and concentration had NO breakthrough detected up to 240				
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Cisplatin (1 mg/ml)	Mitomycin (0.5 mg/ml)			
Cyclophosphamide (20 mg/ml)	Mitoxantrone HCl (2 mg/ml)			
Dacarbazine (10 mg/ml)	Paclitaxel (6 mg/ml)			
Doxorubicin HCI (2 mg/ml)	Vincrinstine Sulfate (1 mg/ml)			
Etoposide (20 ml/ml)	Fentanyl Citrate Injection (100 mcg/2 ml)			
Fluorouracil (50 mg/ml)	Simulated Gastric Acid Fluid/Fentanyl			
Ifosfamide (50 mg/ml)	Citrate Injection Mix 50/50 Solution			
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The following chemotherapy drugs and concentration showed breakthrough detected in less than				
90 minutes:	-			
Carmustine (3.3 mg/ml)	55.2 minutes			
Thiotepa (10 mg/ml)	88.6 minutes			
Warning: Not for use with Carmustine or Thiotepa				



Warning: Not for use with Carmustine or Thiotepa

Instructions of Use:

To don glove, insert hand into cuff and pull up with even pressure over hand and wrist. Adjust as needed for comfort and dexterity. To remove, grasp the outside of the glove near the wrist; pull and peel the now inverted glove away from the hand. When donned properly, no interfare issues should exist. Keep gloves in the original packaging for transportation.

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. **Storage Recommendations:** Store in a cool, dry place. Open box should be shielded from exposure to direct sunlight intense artificial light,x-ray machines and other sources of ozone. This information does not reflect the actual duration of protection in the wo1kplace and the differentiation between mixtures and pure chemical.

The chemical resistance has been assessed under laboratory conditions from samples taken from the palm only (except in cases where the glove is equal to or over400 mm· where the cuff is tested also) and relates only to the chemical tested. It can be different if the chemical is used in a mixture. It is recommended to check that the gloves are suitable for the intended use because the conditions at the workplace may differ from the type test depending on temperature, abrasion and degradation. When used, protective gloves may provide less resistance to the dangerous chemical due to changes in physical properties. Movements, snagging, rubbing, degradation caused by the chemical contact etc may reduce the actual use time signifi<.antly. For corrosive chemicals, degradation can be the most important factor to consider in selection of chemical resistant gloves. Before usage, inspect the gloves for any defect or imperfection.

The penetration resistance has been assessed under laboratory conditions and relates only to the tested specimen.