

**TESTED USING ASTM STANDARDS FOR PERMEATION  
AGAINST 64 CHEMOTHERAPY DRUGS AND CHEMICALS**

TEST CHEMICAL	BREAKTHROUGH MINS	TEST CHEMICAL	BREAKTHROUGH MINS
ACRYLAMIDE 40%	133.3 (Avg)	GEMCITABINE (38 mg/mL)	>240
ARSENIC TRIOXIDE (1 mg/mL)	>240	HYDROGEN PEROXIDE 30%	0
AZACITIDINE (25 mg/mL)	>240	HYDROCHLORIC ACID 37%	71 (Avg)
BENDAMUSTINE (5 mg/mL)	>240	IDARUBICIN (1 mg/mL)	≤240
BENZALKONIUM CHLORIDE 50%	>480	IFOSFAMIDE (50 mg/mL)	>240
BLEOMYCIN SULFATE (15 mg/mL)	≤240	IRINOTECAN (20 mg/mL)	>240
BORTEZOMIB (1 mg/mL)	>240	ISOPROPYL ALCOHOL 99%	27 (Avg)
BUSULFAN (6 mg/mL)	≤240	MECHLORETHAMINE HCL (1 mg/mL)	>240
CARFILZOMIB (2 mg/mL)	>240	MELPHALAN (5 mg/mL)	≤240
CARBOPLATIN (10 mg/mL)	>240	MESNA (50 mg/mL)	>240
CARMUSTINE (3.3 mg/mL)	>13 (Avg)	METHANOL 99%	0
CETUXIMAB (2 mg/mL)	≤240	METHOTREXATE (25 mg/mL)	≤240
CHLORHEXIDINE GLUCONATE (4%)	>480	MYTOMYCIN C (0.5 mg/mL)	≤240
CHLOROQUINE (50 mg/mL)	>240	MITOXANTRONE (2 mg/mL)	>240
CIDEX® OPA	66.7 (Avg)	OXALIPLATIN (2 mg/mL)	>240
CISPLATIN (1 mg/mL)	≤240	PACILITAXEL (6 mg/mL)	>240
CLADRIBINE (1 mg/mL)	>240	PARAPLATIN (10 mg/mL)	≤240
CYCLOPHOSPHAMIDE (20 mg/mL)	>240	PEMETREXED (25 mg/mL)	>240
CYCLOSPORIN A (100 mg/mL)	≤240	RALTITREXED (0.5 mg/mL)	>240
CYTARABINE (100 mg/mL)	≤240	RETROVIR® (10 mg/mL)	≤240
CYTOVENE® (10 mg/mL)	>240	RITUXIMAB (10 mg/mL)	≤240
DACARBAZINE (10 mg/mL)	≤240	SILVER NITRATE 0.5%	>480
DAUNORUBICIN (5 mg/mL)	≤240	SODIUM HYDROXIDE 40%	>480
DECITABINE (5 mg/mL)	>240	SODIUM HYPOCHLORITE 13%	>480
DOCETAXEL (10 mg/mL)	≤240	TEMSIROLIMUS (25 mg/mL)	>240
DOXORUBICIN HCL (2 mg/mL)	≤240	THIOTEPA (10 mg/mL)	>125.8 (Avg)
EPIRUBICIN (2 mg/mL)	≤240	TOPOTECAN (1 mg/mL)	≤240
ETOPOSIDE (20 mg/mL)	>240	TRICLOSAN (2 mg/mL)	>240
FENTANYL CITRATE INJECTION (100 mcg/2 mL)	>240	TRISENOX® (1 mg/mL)	≤240
FLUDARABINE (25 mg/mL)	≤240	VINBLASTINE (1 mg/mL)	>240
FLUOROURACIL (50 mg/mL OR 5 Flu)	>240	VINCRISTINE SULFATE (1 mg/mL)	>240
FULVESTRANT (50 mg/mL)	>240	VINORELBINE (10 mg/mL)	>240
		ZOLEDRONIC ACID (0.8 mg/mL)	>240

All Medisca Safe-Sense™ gloves were tested at an independent laboratory using ASTM D6978-05 Standard Practice for Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs and ASTM F739 Standard Test Method for Permeation of Liquids and Gases through Protective Clothing Materials under Conditions of Continuous Contact. It is the responsibility of the user to review drug labeling and/or Material Safety Data Sheets to verify the effectiveness and applicability of the Medisca Safe-Sense™ gloves for the type of chemical being used. MEDISCA and its affiliates and subsidiaries shall not be held liable for any loss or damage resulting from the accuracy or completeness of this document. All numbers contained in this document may vary from literature or package claims due to more current test results. All trademarks are the property of their respective owners.

All testing was completed by Akron Rubber Development Laboratory, Inc. in Akron, OH.

