



# FENTANYL AND CHEMOTHERAPY GLOVE DATA

## Fentanyl and Chemotherapy Drugs Tested

FENTANYL CITRATE-GASTRIC ACID SOLUTION 50/50  
 FENTANYL CITRATE 100MC/2ML  
 SIMULATED GASTRIC ACID  
 CARMUSTINE (BCNU) 3.3MG/ML  
 CYCLOPHOSPHAMIDE 300MG/ML  
 CISPLATIN 1.0MG/ML  
 DACARBAZINE (DTIC) 100 MG/ML  
 DOXORUBICIN HYDROCHLORIDE 2-D 0.1MG/ML  
 ETOPOSIDE (EPOSAB) 2-D 0.1MG/ML  
 FLUOROURACIL 50MG/ML  
 PACITAXEL (TAXOL) 6.0MG/ML  
 THIOTEPA 10MG/ML  
 MITOMYCIN C 50PPM  
 DAUNORUBICIN HCl 1,000 PPM  
 IPOFAMIDE (IFECA) 50,000PPM  
 MELPHALAN (ALKERAN)  
 IDARUBICIN HCl 50PPM  
 CARBOPLATIN (PARAPLATIN) 2,000 PPM  
 BLEOMYCIN SULFATE 500PPM  
 MITOXANTHRONE 2,000 PPM  
 CYTARABINE HCl  
 VINCORISTINE 1,000 PPM  
 AMETHOPTERINE HYDRATE 25,000 PPM

ITEM NUMBER	PRODUCT NAME	FENTANYL CITRATE-GASTRIC ACID SOLUTION 50/50	FENTANYL CITRATE 100MC/2ML	SIMULATED GASTRIC ACID	CARMUSTINE (BCNU) 3.3MG/ML	CYCLOPHOSPHAMIDE 300MG/ML	CISPLATIN 1.0MG/ML	DACARBAZINE (DTIC) 100 MG/ML	DOXORUBICIN HYDROCHLORIDE 2-D 0.1MG/ML	ETOPOSIDE (EPOSAB) 2-D 0.1MG/ML	FLUOROURACIL 50MG/ML	PACITAXEL (TAXOL) 6.0MG/ML	THIOTEPA 10MG/ML	MITOMYCIN C 50PPM	DAUNORUBICIN HCl 1,000 PPM	IPOFAMIDE (IFECA) 50,000PPM	MELPHALAN (ALKERAN)	IDARUBICIN HCl 50PPM	CARBOPLATIN (PARAPLATIN) 2,000 PPM	BLEOMYCIN SULFATE 500PPM	MITOXANTHRONE 2,000 PPM	CYTARABINE HCl	VINCORISTINE 1,000 PPM	AMETHOPTERINE HYDRATE 25,000 PPM	
<b>Nitrile Exam Gloves</b>																									
N26050X	PowerForm PF-95GY	+	+	+	+	+	+	+	+	+	+	+	+	+											
N12736X	PowerForm PF-12TL	+	+	+	+	+	+	+	+	+	+	+	+	+											
N02740X	PowerForm PF-95BK	+	+	+																					
N20036X	PowerForm PF-95TL	+	+	+	+	+	+	+	+	+	+	+	+	+											
N99175X	PowerForm PF-95OR	+	+	+																					
N18817X	PowerForm PF-12WG	+	+	+	+	+	+	+	+	+	+	+	+	+											
N18947X	PowerForm PF-95GW	+	+	+	+	+	+	+	+	+	+	+	+	+											
N26088X	MegaMan MM-11BK	+	+	+	+	+	+	+	+	+	+	+	+	+											
N30134X	TrueForm TF-95RB	+	+	+	+	+	+	+	+	+	+	+	+	+											
<b>Neoprene Exam Gloves</b>																									
K00140X	PowerChem PC-95GR																								
K07140X	PowerChem PC-11GR																								

### ASTM F739 & ASTM D6978

#### ASTM TESTING METHOD

ASTM F739: 

ASTM D6978: 

While both test methods test for break through times, ASTM D6978 was specifically designed to test against a specific list of cytostatic drugs and the effects they have on gloves. ASTM F739 is a more general test which can be used to test against any chemical, including the ones found in cytostatic drugs. ASTM F739 test requirements are less stringent than that of ASTM D6978 and as such require careful analysis of the test data before making a decision. Additionally, every glove may react differently in terms of permeation. It is recommended by OSHA, ONS (Oncology Nursing Society) and ASHP (American Society of Health System Pharmacists) to “double glove” when handling cytostatic drugs. Additionally, it is recommended by the FDA to change your gloves every half hour and wash your hands before and after.

Some manufacturers will recommend gloves meeting quality standards set by EN374, this standard is 100 times less stringent than ASTM D6978 and the testing conditions do not match that of actual use. If you have any questions about selecting the proper chemotherapy glove, contact SW Safety Solutions.

**Tested for use with chemotherapy drugs**  
 SW chemotherapy tested gloves have been tested either by ASTM F739 or by ASTM D6978. Specific chemical resistance data is available upon request by contacting our Customer Service representatives. Gloves used for protection against chemotherapy drugs must be selected specifically for the type of chemicals used. Review material safety data sheets for the breakthrough times and the chemicals being used to determine



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