

Permeation breakthrough times according to tests using standard ASTM D6978-5 “Standard Practice for Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs”.

CHEMOTHERAPY DRUG AND CONCENTRATION	CAS NUMBER	AVERAGE BREAKTHROUGH DETECTION TIME IN MINUTES
Carmustine (3.3 mg/ml)	154-93-8	2*
Cisplatinum (1.0 mg/ml)	15663-27-1	>240*
Cyclophosphamide (20.0 mg/ml)	50-18-0	>240*
Doxorubicin Hydrochloride (2.0 mg/ml)	23214-92-8	>240*
Etoposide (20.0 mg/ml)	33419-42-0	>240*
5-Fluorouracil (50.0 mg/ml)	51-21-8	>240*
Methotrexate (25.0 mg/ml)	59-05-2	>240*
Paclitaxel (6.0 mg/ml)	33069-62-4	>240*
Thio-Tepa (10.0 mg/ml)	52-24-4	47.7*

\*Permeation rate 0.01 µg/cm²/min

RATING SYSTEM		
<b>RECOMMENDED</b> The results for this specific chemotherapy drug suggest that the glove would provide an adequate barrier for use in most applications. Breakthrough occurs in >60 minutes.	<b>CAUTION</b> The results require additional consideration to determine suitability for use. Breakthrough occurs in >10 to 60 minutes.	<b>NOT RECOMMENDED</b> Not recommended for use. Breakthrough occurs in ≤10 minutes.

IMPORTANT: ASTM D6978-05 testing performed by a third-party accredited laboratory. Stated breakthrough times were determined under laboratory conditions that may not reflect actual usage. Variation in the environment or a mix of chemotherapy drugs used may impact breakthrough times. Users should test the suitability of this product against their specific chemotherapy drugs and environment.



**BioClean™ BUPS**

BioClean™ Ultimate BUPS cleanroom gloves are tested against ASTM D6978 and EN standards, guarding against chemotherapy drugs and various chemicals.

**Contact your Ansell representative for ordering or more information.**

**North America**  
 US Tel: 800 952 9916  
 CA Tel: 1-844-494-7854  
 Email: insidesalesus@ansell.com

**Central & South America**  
 Tel: +52(442) 296 20 50  
 Email: cslac@ansell.com  
**Brazil**  
 Tel: +55-11-3356-3100  
 Email: luvas.medicas@ansell.com

**Europe, Middle East & Africa**  
 Tel: +32 (0) 2 528 74 00  
 Email: info@ansell.eu

**Asia Pacific**  
 Tel: +603 8310 6688  
 Email: apac.medical@ansell.com

**Australia & New Zealand**  
 Tel: +61 3 9270 7270  
 Email: protection@ap.ansell.com