

# Biogel® Polyisoprene Surgical Gloves

## Chemotherapy agent permeation

Tested for use with chemotherapy agents per ASTM D6978.



Drug	Concentration (mg/ml)	Concentration (ppm)	CAS#	510(K) K193573				510(K) K140477
				Biogel® PI Indicator® Underglove (416)	Biogel® PI UltraTouch® (411)	Biogel® PI (408)	Biogel® PI Micro (485)	Biogel® Ultra Touch®G (421)
Glove Material				Polyisoprene*				
Bleomycin Sulfate (Blenoxane)	15.0	15 000	9041-93-4	>240	>240	>240	>240	>240
Busulfan	6.0	6000	55-98-1	>240	>240	>240	>240	>240
Carboplatin (Paraplatin)	10.0	10 000	41575-94-4	>240	>240	>240	>240	>240
Carmustine (BCNU)	3.3	3300	154-93-8	17.3	24.2	26.7	10.0	12.1
Cisplatin	1.0	1000	15663-27-1	>240	>240	>240	>240	>240
Cyclophosphamide (Cytoxan)	20.0	20000	50-18-0	>240	>240	>240	>240	>240
Cytarabine HCl	100.0	100 000	69-74-9	>240	>240	>240	>240	>240
Dacarbazine (DTIC)	10.0	10 000	4342-03-4	>240	>240	>240	>240	>240
Doxorubicin HCl (Adriamycin)	2.0	2000	23214-92-8	>240	>240	>240	>240	>240
Ellence (Epirubicin)	2.0	2000	56420-45-2	>240	>240	>240	>240	>240
Etoposide (Toposar)	20.0	20 000	33419-42-0	>240	>240	>240	>240	>240
Fludarabine	25.0	25 000	21679-14-1	>240	>240	>240	>240	>240
Fluorouracil (Adrucil)	50.0	50 000	51-21-8	>240	>240	>240	>240	>240
Idarubicin	1.0	1000	58957-92-9	>240	>240	>240	>240	>240
Ifosfamide	50.0	50 000	3778-73-2	>240	>240	>240	>240	>240
Mechlorethamine HCl	1.0	1000	55-86-7	>240	>240	>240	>240	>240
Melphalan	5.0	5000	148-82-3	>240	>240	>240	>240	>240
Methotrexate	25.0	25 000	59-05-2	>240	>240	>240	>240	>240
Mitomycin	0.5	500	50-07-7	>240	>240	>240	>240	>240
Mitoxantrone	2.0	2000	65271-80-9	>240	>240	>240	>240	>240
Paclitaxel (Taxol)	6.0	6000	33069-62-4	>240	>240	>240	>240	>240
Rituximab	10.0	10 000	174722-31-7	>240	>240	>240	>240	>240
ThioTEPA	10.0	10 000	52-24-4	24.1	17.9	28.7	20.3	15.5
Vincristine Sulfate	1.0	1000	2068-78-2	>240	>240	>240	>240	>240

\*Made with Synthetic Polyisoprene material that does not contain natural rubber latex.

Performance level, breakthrough detection time. All times are in minutes.

The lowest value of the reading will be quoted in the permeation sheet.



**Note:** Biogel Surgical Gloves are intended to be worn on the hands, usually in the surgical settings, to provide barrier against potentially infectious material and other contaminants.

In addition, these gloves were tested at an independent test facility for use with chemotherapy drugs in accordance with ASTM D6978-05 Standard Practice for Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs.

Breakthrough detection times may not reflect the actual duration of protection in the workplace due to other factors influencing the performance, such as temperature, abrasion, puncture, degradation etc.

Gloves used for protection against chemotherapy drug exposure should be selected specifically for the types of chemical used. Users should review this information with information provided with the drug e.g. drug labeling or material safety data sheets for the chemicals being used to determine an adequate level of protection for the intended use.

**Warning:** Do not use single gloves for protection against Carmustine (3.3 mg/ml) and Thiotepa (10 mg/ml). Consider using additional safety controls when handling these materials to avoid contact as well as the use of multiple gloves with longer breakthrough detection times.

## Find out more at [molnlycke.us](http://molnlycke.us)

The Mölnlycke, Biogel trademarks, names and logo types are registered globally to one or more of the Mölnlycke Health Care Group of Companies. Distributed by Mölnlycke Health Care US, LLC, Norcross, Georgia 30092. © 2020 Mölnlycke Health Care AB. All rights reserved. 1-800-843-8497. MHC-2020-78849 Lit#1-0513

