

# BioClean™ Emerald BENS

## CHEMOTHERAPY PERMEATION REPORT

### Permeation breakthrough times according to ASTM D6978 (minutes)

CHEMOTHERAPY DRUG AND CONCENTRATION	BREAKTHROUGH TIME (MINUTES)	CHEMOTHERAPY DRUG AND CONCENTRATION	BREAKTHROUGH TIME (MINUTES)
Capecitabine (26.0 mg/ml)	>240	Fluorouracil (50.0 mg/ml)	>240
Carboplatin (10.0 mg/ml)	>240	Gemcitabine (38.0 mg/ml)	>240
Carmustine (3.3 mg/ml)	128.6	Irinotecan (20.0 mg/ml)	>240
Cisplatin (1.0 mg/ml)	>240	Mitoxantrone HCL (2.0 mg/ml)	>240
Cyclophosphamide (20.0 mg/ml)	>240	Oxaliplatin (5.0 mg/ml)	>240
Docetaxel (10.0 mg/ml)	>240	Paclitaxel (6.0 mg/ml)	>240
Doxorubicin HCL (2.0 mg/ml)	>240	Rituximab (10.0 mg/ml)	>240
Epirubicin HCL (2.0 mg/ml)	>240	Thiotepa (10.0 mg/ml)	>240
Etoposide (20.0 mg/ml)	>240	Vinorelbine (10.0 mg/ml)	>240

Permeation rate 0.01 µg/cm<sup>2</sup>/min

#### RATING SYSTEM

##### RECOMMENDED

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.

##### CAUTION

The results require additional consideration to determine suitability for use. Breakthrough occurs in >10 to 60 minutes.

##### NOT RECOMMENDED

Not recommended for use. Breakthrough occurs in ≤10 minutes.

**IMPORTANT:** ASTM D6978 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™ Emerald BENS

BioClean Emerald Sterile Nitrile Cleanroom Gloves are resistant to a range of chemicals, can be easily double-donned, and are accelerator-free and latex-free to reduce the risk of latex allergies. The hand specific shape ensures wearer comfort and reduces hand fatigue, whilst enabling good dexterity.