

Biogel Eclipse® range

Permeability: Breakthrough time (BTT) is the time taken between the application of the test chemical into the test cell to when permeation rate reaches 1 µg/cm²/min detection (EN 16523-1).

Chemical tested	CAS no. (active ingredient)	Concentration	Biogel Eclipse REF 750 / 751 / 752		Biogel Eclipse Indicator Underglove REF 732 / 609		Biogel Eclipse Indicator System REF 607 / 608	
			EN 16532-1 1 µg/cm²/min	Performance level EN 374-1	EN 16532-1 1 µg/cm²/min	Performance level EN 374-1	EN 16532-1 1 µg/cm²/min	Performance level EN 374-1
Betadine antiseptic (Povidone iodine)	25655-41-8	10%	>480	6	not tested	not tested	>480	6
Betadine alcoholic solution (Povidone iodine)	25655-41-8	10%	2	0	not tested	not tested	11	1
Betadine scrub (Povidone iodine)	25655-41-8	10%	>480	6	not tested	not tested	>480	6
Cidex OPA	643-79-8	0.55%	>480	6	not tested	not tested	>480	6
Ethyl alcohol (Ethanol)	64-17-5	100%	2.5	0	3	0	20	1
Formaldehyde	50-00-0	40%	45	2	50	2	>480	6
Glutaraldehyde	111-30-8	2.5%	>480	6	>480	6	>480	6
Hibi Liquid Hand Rub (0.5% Chlorhexidine digluconate) HibiStat (70% IPA, 0.5% Chlorhexidine digluconate)	18472-51-0	0.5%	>480	6	>480	6	>480	6
Hibiscrub (4% Chlorhexidine digluconate) HibiClens (4% Chlorhexidine digluconate)	18472-51-0	4%	>480	6	>480	6	>480	6
Hydrogen peroxide	7722-84-1	30%	>480	6	>480	6	>480	6
Iodine tincture	7553-56-2	7%	>480	6	>480	6	>480	6
Isopropyl alcohol (Isopropanol)	67-63-0	100%	4	0	3.9	0	32	2
Methyl alcohol (Methanol)	67-56-1	100%	1	0	1.6	0	9.6	0
Methyl methacrylate	80-62-6	100%	<1	0	<1	0	3.6	0
Methyl methacrylate in bone cement	80-62-6	100%	1.7	0	1.6	0	7.4	0
Mineral oil	8042-47-5	100%	>480	6	>480	6	>480	6
Peracetic acid	79-21-0	5%	6	0	5.4	0	35	2
Phenol 7%	108-95-2	7%	11	1	14	1	100	3
Phenol 70%	108-95-2	70%	10	0	11	1	98	3
Phenol 80%	108-95-2	80%	19	1	not tested	not tested	67	3
Sodium hypochlorite 12%	7681-52-9	12%	>480	6	not tested	not tested	>480	6
Sodium hypochlorite 13%	7681-52-9	13%	>480	6	>480	6	>480	6
Videne alcoholic tincture (Povidone iodine)	25655-41-8	10%	>480	6	>480	6	>480	6
Videne antiseptic solution (Povidone iodine)	25655-41-8	10%	>480	6	>480	6	>480	6
Videne surgical scrub (Povidone iodine)	25655-41-8	7.5%	>480	6	>480	6	>480	6

The performance level for each glove is classified based on their breakthrough time (EN 16523-1) in accordance with EN 374-1.

Performance Level in min.	>480	>240	121-240	61-120	31-60	11-30	≤10	not tested
Performance Level	6	5	4	3	2	1	0	

Review Material Safety Datasheet for all chemicals to be used to determine the required protection level.

Recommendations should be made to users that adoption of a suitable gloving choice should be based on the type of exposure to the chemical that the glove will experience during wear.

All times are in minutes

Find out more at www.molnlycke.com

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