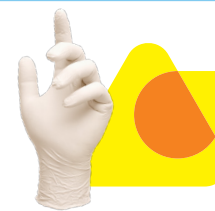
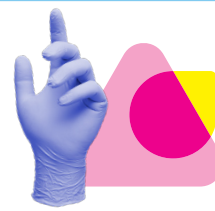
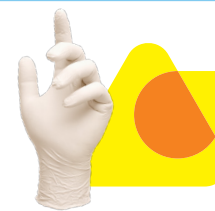
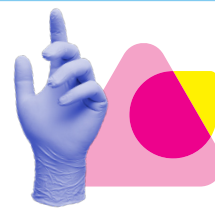


Chemical Breakthrough Times – protection with **StarGuard®** gloves.



CHEMICALS	COMFORT	PROTECT	SENSITIVE	TOUCH
Acetic Acid (50 %)	25	50	41	5
Acetone	0	0	0	0
Acetonitrile (5 % in Ethanol)	0	3	0	0
Acrylamide (40 %)	>480	>480	>480	>480
Beta-Mercaptoethanol (<100 %)	0	5	2	8
Chloroform (1 % in Ethanol)	1	2	1	1
Cyclohexane (99 %)	10	14	33	0
Dimethylsulfoxide (>99.5 %)	2	5	2	18
Ethanol	0	1	1	0
Ethanol (70 %)	3	9	6	1
Ethidium Bromide (5 %)	>480	>480	>480	>480
Formaldehyde (37 %)	>120	>240	>60	>240
Glutaraldehyde (50 %)	286	>480	>480	>480
Hydrochloric Acid (36 %)	133	222	222	103
Hydrofluoric Acid (40 %)	1	4	3	2
Hydrogen peroxide (30 %)	> 30	> 30	> 120	> 120
Iso-Propanol	2	8	5	0
Methanol	0	0	0	0
n-Heptane	22	11	14	0
Nitric Acid (50 %)	7	20	9	78
Phenol (50 % in Ethanol)	0	0	1	1

Chemical Breakthrough Times – protection with StarGuard® gloves.



CHEMICALS	COMFORT	PROTECT	SENSITIVE	TOUCH
Silver Nitrate 0.171 N	> 480	> 480	> 480	> 480
Sodium Hydroxide (40 %) "NaOH"	> 480	> 480	> 480	> 60
Sodium Hypochlorite, Bleach (5%)	> 480	>480	>480	>480
Sulfuric Acid (96 %) "H2SO4"	2	0	2	54
Tetrachloroethylene (>99 %)	0	1	1	0
Toluene	0	0	0	0
Trichloroacetic Acid (>99 %)	15	30	23	10

DISINFECTANTS				
Phagogermyl	26	50	40	45
Sterillium (Alcohol based)	14	21	18	9
Stokosept® protect (Alcohol based)	16	27	21	4
Virkon Disinfectant (3 %)	>480	>480	>480	>480

Caution: All tests for determination of breakthrough times were carried out in minutes under laboratory conditions. We would like to emphasize that permeation times are not the same as safe wearing times. The safe wearing time is depending on proper donning of PPE, ambient temperature, toxicity of the chemical, as well as a number of other factors. The test results are no substitute for an evaluation carried out by the user. Estimates may change as new tests provide better basis for extrapolation. The information contained in this report exclusively fulfills an advisory function and Starlab therefore completely excludes liability and guarantees for the statements made here.

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