



Chemical Compatibility of Dialysis Membranes

R: RECOMMENDED

L: LIMITED EXPOSURE ONLY

NR: NOT RECOMMENDED

Please note:

Membranes made of cellulose ester and regenerated cellulose are to be used only with diluted solvents, maximum about 25%. Higher concentrations may alter the membrane.

	Celluloseester	Reg. Cellulose
R:	recommend	
L:	limited exposure only	
NR:	not recommended	
Acetic acid (5 %)	L	R
Acetic acid (25 %)	NR	R
Acetic acid, glacial	NR	R
Acetic acid ethyl ester	NR	R
Acetic acid amyl ester	NR	R
Acetone	NR	R
Acetonitril	NR	R
Ammonia (diluted)	NR	R
Ammonia (approx. 25 %)	NR	L
Amyl alcohol	L	R
Benzene	NR	R
Benzyl alcohol	NR	R
Boric acid	R	R
Butyl acetate	NR	R
Butyl-alcohol	L	R
Chlorine acetic acid	NR	R
Chloroform	L	R
Cyclohexane	L	R
Diacetone alcohol	NR	R
Dichloromethane	L	R
Dimethyl formamide	NR	L
Dimethyl sulfoxide	NR	R
Dioxane	NR	L

Ethanol (15 %)	R	R
Ethanol (95 %)	L	R
Ether	NR	R
Ethylene glycol	L	R
Ethylene oxide	NR	L
Formaldehyde (up to 30 %)	L	R
Formic acid (up to 50 %)	NR	R
Glycerol	R	R
Hexane	R	R
Hydrochloric acid (5 %)	L	R
Hydrochloric acid (up to 37 %)	NR	NR
Hydrofluoric acid (25 %)	NR	L
Hydrogen peroxide (30 %)	R	R
Iodine solutions	NR	NR
Isobutyl-alcohol	R	R
Isopropanol	L	R
Isopropyl ether	L	R
Lactic acid	R	R
Methanol	L	R
Methyl acetate	NR	R
Methyl chloride	NR	R
Methylene chloride	L	R
Methyl ethyl ketone	NR	R
Methyl isobutyl ketone	NR	R
N-Methyl-2-pyrrolidone	NR	R
Mineral oils	R	R
Monochlorobenzene	L	R
Nitric acid (5 %)	L	R
Nitric acid (min. 25 % or 6 M)	NR	NR
Nitrobenzene	NR	L
Nitropropane	NR	L
Oil of Petroleum basis	R	R
Pentane	R	R
Perchloric acid (25 %)	NR	L
Perchloroethylene	NR	R
Petroleum ether	R	R
Phenol (0.5 %)	R	R
Phenol (10 %)	NR	R
Phosphoric acid (25 %)	NR	L
Potassium hydroxide (1 N)	L	R
Potassium hydroxide (25 %)	NR	L
Potassium hydroxide (50 %)	NR	NR
Propanol	R	R
Pyridine	NR	R
Silicone oil	R	R
Sodium hydroxide (0.1 N)	L	R
Sodium hydroxide (up to 25 %)	NR	L
Sodium hydroxide (> 25 %)	NR	NR
Sodium hypochlorite	R	R
Sulfuric acid (5 %)	R	R
Sulfuric acid (25 % or 6 N)	NR	L
Tetrahydrofurane	NR	R
Toluene	R	R
Trichloro acetic acid (25 %)	NR	NR
Trichloroethylene	R	R
Triethylamine	NR	R
Trichlorobenzene	NR	NR

Trichloroethane	L	R
Urea (diluted)	NR	R
Urea (6 N)	R	R
Xylene	NR	R

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