

# Chemical Resistance Form

## For Biologix Plastic Laboratory Supplies

	PS	PP	HDPE	LDPE	PVC	CA	PC	CN	NY	MCE	PTFE	PET
<b>Acids</b>												
Hydrochloric acid (25%)	G	G	G	G	G	N	R	R	N	O	R	R
Hydrochloric acid (concentrated)	F	G	G	G	F	N	R	N	N	N	R	O
Nitric acid (concentrated)	P	P	N	N	P	N	R	N	N	N	O	N
Nitric acid (25%)	P	G	F	F	F	N	R	L	N	O	R	R
<b>Alcohols</b>												
Butanol	G	G	G	G	G	R	R	R	R	R	R	R
Ethanol	G	G	G	G	G	R	R	N	R	O	R	R
Methanol	G	G	G	G	G	R	R	N	R	O	R	R
<b>Amines</b>												
Aniline	G	G	G	G	P	N	N	R	R	N	R	O
Dimethylformamide	P	G	G	G	F	N	N	N	R	N	R	N
<b>Bases</b>												
Ammonium hydroxide (25%)	F	G	G	G	G	R	N	R	R	O	N	O
Ammonium hydroxide (1N)	F	G	G	G	G	N	N	R	R	O	N	N
Sodium hydroxide	G	G	G	G	G	N	N	N	R	N	R	N
<b>Hydrocarbons</b>												
Hexane	P	G	G	G	F	R	R	R	R	R	R	R
Toluene	P	G	N	N	P	R	O	R	R	R	R	N
Xylene	P	F	P	N	P	R	R	R	R	R	R	N
Dioxane	P	G	G	F	P	N	N	N	R	N	R	R
Dimethylsulfoxide (DMSO)	P	G	G	G	P	N	N	N	R	N	R	O*
<b>Halogenated Hydrocarbons</b>												
Chloroform	P	G	P	N	P	N	N	R	R	N	R	R
Methylene chloride	P	F	P	N	P	N	N	R	R	N	R	N
<b>Ketones</b>												
Acetone	P	G	G	G	P	N	O	N	R	N	R	R
Methyl ethyl diketone	P	G	G	G	P	N	O	N	R	O	R	R

\* Can be used with aqueous solutions containing up to 20% DMSO.  
The above chemical resistance chart is meant to be used as a guide only.

### LEGEND

R = Recommended  
L = Limited Resistance  
N = Not Recommended  
O = Testing Advised

F = Fair  
G = Good  
P = Poor

PS = Polystyrene  
PP = Polypropylene  
PVC = Polyvinyl Chloride  
CA = Cellulose Acetate  
PC = Polycarbonate

PTFE = Polytetrafluorethylene (Teflon)  
CN = Cellulose Nitrate  
NY = Nylon  
MCE = Mixed Cellulose Esters  
PET = Polyethylene Terephthalate