

Chemical Compatibility Chart for Microplates

This Chemical Compatibility Chart is only to be used for general guidelines of solvent compatibility. There are many factors that can affect the behavior of solvents such as temperature, concentration, exposure duration, pressure, etc., therefore it is recommended to perform testing under your own conditions.

Solvent	PS	PETG	PP
2-Butanol	+/-		+
2-Propanol	+/-		+
Acetic Acid, 5%	+	+/-	+
Acetic Acid, 50%	+/-	-	+
Acetic Acid, Glacial	-	-	+
Acetic Acid, Anhydride	-		+/-
Acetone	-	-	+
Acetonitrile	-		-
Acrylonitrile	-		+/-
Allyl Alcohol	+/-		+
Ammonia	+/-		+
Ammonia, 25%	+		+
Ammonium Hydroxide, 30%	+/-	-	+
Ammonium Hydroxide, 5%	+	+/-	+
Ammonium Salts	+/-		+
Amyl Alcohol	+/-		+
Aniline	-		+/-
Arsenic Acid	+		+
Benzaldehyde	-		+
Benzene	-	-	-
Benzoic Acid, Sat	+/-		+
Benzyl Alcohol	-	-	-
Boric Acid	+	-	+
Bromine	-	-	-
Butyl Acetate	-		+/-
Calcium Hydroxide	+/-		+
Calcium Hypochlorite	+/-		+
Carbon Disulfide	-		-
Carbon Tetrachloride	-	-	+/-
Chlorine Water	-		+/-
Chlorine, 10%, Moist	-		+/-
Chlorine, 10%, Air	-		+/-
Chlorine, Wet Gas	-		-
Chloroacetic Acid	+/-		+
Chlorobenzene	-		-
Chloroform	-		-
Chromic Acid, 10%	+		+
Chromic Acid, 50%	-		+/-
Citric Acid, 10%	+		+
Cyclohexane	-	-	-
Cyclohexanone	-	-	-
Decahydronaphthalene	-		+/-
Diacetone	-		+/-
Diethyl Benzene	-		-
Diethyl Ether	-		-
Diethyl Ketone	-		+/-
Diethylene Glycol	+/-		+
Dimethyl Acetamide	-		+
Dimethylformamide	-		+
Dimethylsulfoxide (DMSO)	+	-	+
Dioxane	-		+/-
Ethanol, 40%	+/-		+
Ether	-		-
Ethyl Acetate	-	-	+
Ethyl Alcohol	-		+

Solvent	PS	PETG	PP
Ethylbenzene	-	-	-
Ethyl Benzoate	-		+/-
Ethyl Chloride	-		-
Ethylene Chloride	-		-
Ethylene Glycol	+	+	+
Fatty Acids	+	+/-	+
Formaldehyde, 40%	-		+
Formaldehyde, 10%	-		+
Formalin, 10%	-		+
Formalin, 40%	-		+
Formic Acid, 100%	-		+
Formic Acid, 85%	-		+
Formic Acid, 50%	-		+
Glutaraldehyde	+	+/-	+
Glycerine	+		+
Hexane	-	+	+/-
Hydrobromic Acid, 50%	-		+
Hydrochloric Acid, 36%	-		+
Hydrochloric Acid, 5%	+		+
Hydrogen Peroxide, 30%	+	+	+
Hydrogen Peroxide, 3%	+	+	+
Isobutanol	+/-		+
Isopropanol, 100%	+		+
Isopropyl Acetate	-		+/-
Lactic Acid, 90%	+/-	-	+
Mercury	+		+
Methanol, 100%	-	+/-	+
Methyl Acetate	-		+/-
Methyl Ethyl Ketone	-	-	+/-
Methyl Propyl Ketone	-	-	+/-
Methylene Chloride	-	-	-
Nitric Acid, 25%	-		-
Nitric Acid, concentrated	-	-	-
Nitrobenzene	-	-	-
Oxalic Acid, 10%	+	+	+
Phenol, 50%	-	-	-
Phosphoric Acid, 85%	+/-		+
Potassium Hydroxide, 25%	+/-		+
Potassium Permanganate	+/-		+
Propane Gas	-	-	-
Propionic Acid	+/-		+
Propylene Glycol	+		+
Pyridine	-	-	-
Sodium Hydroxide, 1%	+	+	+
Sodium Hydroxide, 10%	+	+	+
Sodium Hydroxide, 50%	+	-	+
Stearic Acid	+		+
Sulfur Dioxide	-		-
Sulfuric Acid, concentrated	-		-
Tartaric Acid	+/-		+
Tetrahydrofuran	-		+/-
Toluene	-	-	-
Trichloroethylene	-		-
Urea	+		+
Xylene	-		-

- + Suitable for use with solvent.
- +/- Effects occur with exposure. Testing should be performed to ensure compatibility.
- Not recommended for use.

PS = polystyrene
 PP= polypropylene
 PETG = polyethylene G

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