MIKROMEISTER®
MASTERING LIQUIDS

Table of Chemical Resistance

There are two figures for each chemical. The sign on the left shows the stability at a test temperature of +20 °C, the sign on the right the stability at +50 °C. Salts were tested as almost saturated solutions. All data are recommendations without guarantee. ● = usable, ○ = limited usage, (raw material is affected after longer contact) , - = not usable

Medium	PP	MIKROMEISTER® Dispenser can be used	boroslicate glass	FEP	PFA
A					
Acetaldehyde *	●●	●●	●●	●●	●–
Acetic acid 50%	●●	●●	●●	●●	●●
Acetone***	●●	●●	●●	●●	●●
Acetonitrile *, ***	○●	●●	●●	●●	○–
Acrylonitrile *	●●	●●	●●	●●	○–
Adipic acid	●●	●●	●●	●●	●●
Allyl alcohol	●●	●●	●●	●●	●●
Aluminum chloride solution	●●	●●	●●	●●	●●
Aluminum hydroxide	●●	●●	●●	●●	●●
Amino acids	●●	●●	●●	●●	●●
Ammonium chloride solution	●●	●●	●●	●●	●●
Ammonium hydroxide 25%	●●	●●	●●	●●	●●
n-Amyl acetate *	●●	●●	●●	●●	○–
Amyl alcohol	●●	●●	●●	●●	●●
Amyl chloride *	●●	●●	●●	●●	– –
Aniline	●●	●●	●●	●●	●●
B					
Barium chloride (BaCl2)	●●	●●	●●	●●	●●
Benzaldehyde	●●	●●	●●	●●	●●
Benzene *	●●	●●	●●	●●	●○
Benzine *	●●	●●	●●	●●	○○
Benzyl alcohol *	●●	●●	●●	●●	– –
Boric acid	●●	●●	●●	●●	●●
n-Butanol	●●	●●	●●	●●	●●
n-Butyl acetate *	●●	●●	●●	●●	○○
C					
Calcium chloride	●●	●●	●●	●●	●●
Chloroacetic acid	●●	●●	●●	●●	●●
Chromic acid 10%	●●	●●	●●	●●	●●
Chromic acid 50% * ,**	●●	●●	●●	●●	○○
Chromic sulfuric acid, conc. * ,**	●●	●●	●●	●●	– –
Cresol *	●●	●●	●●	●●	●○
Cupric sulphate	●●	●●	●●	●●	●●

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D					
Dibutyl phthalate *	●●	●●	●●	●●	●○
Dichlorobenzene*	●●	●●	●●	●●	○–
Dichlorethane (Ethyl dichloride)*, ***	●●	●●	●●	●●	○–
Dichlormethane (Methylene chloride)*. ***	○●	●●	●●	●●	○–
Diethyleneglycol	●●	●●	●●	●●	●●
Diethylether *	●●	●●	●●	●●	○–
Dimethylformamide *	●●	●●	●●	●●	●–
1.4-Dioxan *	●●	●●	●●	●●	○○
E F G					
Ethanol 100% (Ethyl alcohol)	●●	●●	●●	●●	●●
Ethyl acetate	●●	●●	●●	●●	●●
Formaldehyde 40%	●●	●●	●●	●●	●●
Formic acid 98–100%	●●	●●	●●	●●	●●
Fuel oil	●●	●●	●●	●●	●●
Glycerol	●●	●●	●●	●●	●●
Glycol	●●	●●	●●	●●	●●
H I J K					
Hexane *	●●	●●	●●	●●	○–
Hydrochloric acid 35% ***	●●	●●	●●	●●	●●
Hydrochloric acid 37% *, ***	●●	●●	●●	●●	●–
Hydrofluric acid 40%	●●	●●	– –	– –	●●
Hydrogen peroxid 30%	●●	●●	●●	●●	●●
Iodine-potassium iodide sol.	●●	●●	●●	●●	●●
Isobutanol (Isobutyl alcohol)	●●	●●	●●	●●	●●
Isopropanol (Isopropyl alcohol)	●●	●●	●●	●●	●●
L M					
Lactic acid (Salts: Lactates)	●●	●●	●●	●●	●●
Magnesium chloride (MgCl)	●●	●●	●●	●●	●●
Mercury (I) chloride	●●	●●	●●	●●	●●
Methanol (Methyl alcohol) ***	●●	●●	●●	●●	●●
Methyl propyl ketone *	●●	●●	●●	●●	●○
Nitric acid 30%	●●	●●	●●	●●	●●
Nitrobenzene *	●●	●●	●●	●●	– –

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Medium	PP	MIKROMEISTER® Dispenser can be used	boroslicate glass	FEP	PFA
O P					
Octane/Iso octane *	●●	●●	●●	●●	- -
Oil of turpentine *	●●	●●	●●	●●	- -
Oxalic acid	●●	●●	●●	●●	●●
Pentane (n-/Iso-) *, ***	○●	●●	●●	●●	- -
Perchloric acid 10% *	●●	●●	●●	●●	●-
Phenol (saturted aqueous solution)	●●	●●	●●	●●	●●
Phosphoric acid 85%	●●	●●	○-	○-	●●
Potassium chloride	●●	●●	●●	●●	●●
Potassium hydroxide 50%	●●	●●	●●	●●	●●
Potassium permanganate	●●	●●	●●	●●	●●
Propanol	●●	●●	●●	●●	●●
Propylene glycol	●●	●●	●●	●●	●●
Propylene oxide	●●	●●	●●	●●	●●
Pyridine *	●●	●●	●●	●●	○○
S					
Salicylaldehyde	●●	●●	●●	●●	●●
Salicylic acid	●●	●●	●●	●●	●●
Scintillation cocktail	●●	●●	●●	●●	○-
Silver acetate	●●	●●	●●	●●	●●
Silver nitrate	●●	●●	●●	●●	●●
Sodium acetate	●●	●●	●●	●●	●●
Sodium dichromate	●●	●●	●●	●●	●●
Sodium hydroxide 30%	●●	●●	●●	●●	●●
Sulphuric acid 60%	●●	●●	●●	●●	●●
Sulphuric acid 98%	●●	●●	●●	●●	- -

Medium	PP	MIKROMEISTER® Dispenser can be used	boroslicate glass	FEP	PFA
T U					
Tartaric acid	●●	●●	●●	●●	●●
Tenside	●●	●●	●●	●●	●●
Toluene	●●	●●	●●	●●	○-
Trichloroacetic acid 10%	○●	●●	●●	●●	●○
Triethylene glycol	●●	●●	●●	●●	●●
Tripropylenglycol	●●	●●	●●	●●	●●
Urea	●●	●●	●●	●●	●●
X Y Z					
Xylene	●●	●●	●●	●●	- -
Zinc chloride 10%	●●	●●	●●	●●	●●
Zinc sulphate 10%	●●	●●	●●	●●	●●

* PTFE adapter available
(observe safety regulations)
** Pt-Ir can be easily loosened from the spring
***Liquid with high vapor pressure; gases leak
(observe safety regulations)

This information has been checked carefully and it is based on the current state of knowledge. Always follow instructions in the operating manual of the instrument as well as the reagent manufacturer's specifications. In addition to the chemicals listed above, a variety of organic or inorganic salt solutions (e.g. biological buffers), biological detergents and media for the cell culture may be dispensed. Should you require information on chemicals not listed, please feel free to contact us.

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MIKROMEISTER® is a registered trademark of
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