
4. Operating Exclusions

When the instrument is correctly used, the dispensed liquid comes into contact with only the following materials:

Borosilicate glass 3.3, FEP, ETFE, PFA, PTFE and platinum-iridium.

Never use this instrument for:

- Liquids which attack FEP, ETFE, PFA and PTFE
- Solutions containing hydrofluoric acid
- Solutions which tend to crystallize, fuming acids and concentrated bases
- Suspensions containing solid particles
- Solutions which decompose and form solid particles (e. g., Biuret reagent)
- Substances which undergo catalytic transformation or react with platinum-iridium (e. g., H_2O_2)
- Carbon disulfide as this media inflames easily
- The instrument should not be used in an aggressive atmosphere (e.g., HCl fumes).
- The instrument must not be autoclaved!

5. Recommended Application Range for VITLAB® continuous

The bottle-top-buret VITLAB® continuous E/RS can be used for the following titration media (max. conc. 1 mol/l).

Reagent
Acetic acid
Ammonium iron (II) sulfate solution
Ammonium thiocyanate solution
Barium chloride solution
Bromide bromate solution
Cerium (IV) sulfate solution
EDTA solution
Hydrochloric acid
Iron (II) sulfate solution
Nitric acid
Oxalic acid
Perchloric acid
Potassium bromate solution
Potassium bromate bromide solution
Potassium dichromate solution

Reagent
Potassium hydroxide solution
Potassium iodate solution
Potassium permanganate solution
Potassium thiocyanate solution
Silver nitrate solution
Sodium arsenite solution
Sodium carbonate solution
Sodium chloride solution
Sodium hydroxide solution
Sodium nitrite solution
Sodium thiosulfate solution
Sulfuric acid
Tetra-n-butylammonium hydroxide solution
Zinc sulfate solution