Ultrasonics.Steam.Ultraclean.

Cleaning Chemistry

Elma Lab Clean

Cleaning solutions for the laboratory

- Powerful cleaning concentrates, ranging from acidic to alkaline for analytical and biological laboratory jobs
- Suitable for special surfactant-free applications
- Universally applicable in ultrasonic immersion cleaning baths and in labware washers

www.elma-ultrasonic.com

Elma Lab Clean

Cleaning chemicals for the laboratory

	Contamination	Surfaces	pH-value	Proposal for dosage	Recommended application temperatures
	Emulsions, fat and grease, resinified residues, marker and label residues, lime soaps and lime deposits, fingerprints and dust.	Laboratory instruments made of glass, ceramic, plastic or metal. Check for Al, Mg and light metal alloys before application.	~9.5	Ultrasound: ~ 1 % Splashing: ~ 0.5 %	Ultrasound: 50-75 °C Splashing: > 55 °C
	Light grease contaminations, lime soap residues, fingerprints, dust.	Laboratory instruments for volumetric measuring analysis (pipettes, burettes, measuring cylinders) made of glass, stainless steel, ceramics and plastics. Not suitable for Al, Mg and light metal alloys.	~9	Ultrasound: ~ 1-2 % Splashing: ~ 0.5 %	Ultrasound: 50-75 °C Splashing: > 55 °C
	Blood, saliva, protein, bone and tissue residues, grease, oil, abrasives and polishing pastes, resinified and tarry residues, marker and label residues.	Laboratory instruments made of alkali-resistant glass or plastic, ceramic and metal. Not suitable for Al, Mg and light metal alloys.	~12	Ultrasound: ~ 2 % Splashing: ~ 0.5-1 %	Ultrasound: 50-75 °C Splashing: > 55 °C
	Emulsions, marker and label residues, lime soaps, light oils and greases, fingerprints, dust.	Laboratory instruments made of glass, ceramic, plastic or metal, incl. Al u. light alloys. Check Mg-alloys before application.	~7	Ultrasound: ~ 2 % Splashing: ~ 1 %	Ultrasound: 30-75 °C Splashing: > 55 °C
	Lime and lime soaps, non-ferrous metal oxides, light mineral oils and grease, fingerprints and dust.	Laboratory instruments made of glass, ceramic, plastic or metal incl. Al and its alloys. Check Mg alloys and acid-sensitive glasses before application.	~4	Ultrasound: ~ 1 % Splashing: ~ 0.5 %	Ultrasound: 50-75 °C Splashing: > 55 °C
	Rust, lime, oxide layers (e.g. verdigris), mineral grease and oil.	Stainless steel, aluminum, non-ferrous metals, plastics and glass. For the passivation of stainless and chromium-containing steels.	~3	Ultrasound: ~ 1-5 % Splashing: ~ 10-20 %	Ultrascound: 30-80 °C Splashing:: 30-80 °C
	Lime and lime soaps, non-ferrous metal oxides, mineral soiling, light mineral oils and grease, fingerprints and dust.	For the acidic basic cleaning of laboratory instruments made of glass, ceramic, plastic or metal. Not suitable for Al, Mg and light metal alloys. Check acid-sensitive glasses and plastics before application.	~1,5	Ultrasound: ~ 1-2 % Splashing: ~ 0.5 %	Ultrasound: 50-75 °C Splashing: > 55 °C

Ultrasonics.Steam.Ultraclean.

Elma Schmidbauer GmbH · Gottlieb-Daimler-Straße 17 · D-78224 Singen (Germany) · Tel. +49 7731 882-0 · Fax +49 7731 882-266 · www.elma-ultrasonic.com