







Contamination	Surfaces	Product Name (short name), Kind of Prepared Cleaning Solution.	pH-Value of concentrate	Proposed Dosage	Recommended Temperature of Application	Immersion Cleaning with Ultrasonics		Other Properties	Sizes of Containers
						Labware Washer	(Splashing)		
Blood, saliva; protein-, bone- & tissue-residues; greases/fats & oils, polishing & grinding residues; greases from ground-glass joints, resinified & tarry residues; markings, labels, fingerprints, dust.	Labware & medical instruments from metal, alkali-resistant glass, porcelain, ceramic and alkali-resistant plastic materials. Not for aluminium, magnesium & alloys of light-metals.	Product-info elma lab clean A25 (elc A25), alkaline. 	~14	Ultrasonics: ~ 1 - 2 %, splashing: ~ 0.5 - 1 %.	Ultrasonics: ~ 50 - 75°C, splashing: > 55°C only.	X	X	Prevents from redeposition of deposits of lime soaps.	1 l, 2.5 l, 10 l, 25 l.
Light grease contamination, lime soap residues, fingerprints, dust.	Glassware (calibrated pipettes, burettes, measuring cylinders & volumetric graduated vessels); instruments of volumetric analysis from stainless steel, glass, ceramics and plastic materials. Not for aluminium, magnesium & alloys of light-metals.	Product-info elma lab clean A20sf (elc A20sf), mildly alkaline. 	~11.5	Ultrasonics: ~ 1 %, splashing: ~ 0.5 %, soaking: > 2 %.	~ 50 - 70°C	X	X	Surfactant-free; prevents from redeposition of deposits of lime soaps.	1 l, 2.5 l, 10 l, 25 l.
Emulsions, greases & oils, greases for ground-glass joints, weakly resinified residues, markings, labels, fingerprints and dust, lime soaps and lime residues.	Labware from metal, glass, porcelain, ceramic and plastic materials. Not for aluminium, magnesium & alloys of light-metals.	Product-info elma lab clean A10 (elc A10), mildly alkaline. 	~11.3	Ultrasonics: ~ 1 - 2 %, splashing: ~ 0.5 - 1 %.	Ultrasonics: ~ 50 - 75°C, splashing: > 55°C only.	X	X	Prevents from redeposition of deposits of lime soaps.	1 l, 2.5 l, 10 l, 25 l.
Emulsions, residues of markings and labels; Ca- and Mg-bound contaminations (lime soaps); light greases & oils, fingerprints and dust.	Labware from metal (incl. aluminium and its alloys), glass, ceramic, mineral and plastic materials. Check magnesium alloys before.	Product-info elma lab clean N10 (elc N10), neutral. 	~ 8.2	Ultrasonics: ~ 2 %, splashing: ~ 1 %.	Ultrasonics: ~ 30 - 75°C, splashing: > 55°C only.	X	X	Prevents from redeposition of deposits of lime & lime soaps.	1 l, 2.5 l, 10 l, 25 l.
Ca- and Mg-bound contaminations (lime, lime soaps); oxides and tarnish of brass, bronze (colored metals); light mineral oils & greases, emulsions, fingerprints, dust.	Labware from metal (incl. aluminium & its alloys), glass, ceramic and plastic materials. Check magnesium alloys & acid-sensitive glassy materials before.	Product-info elma lab clean S10 (elc S10), mildly acidic. 	~ 2.5	Ultrasonics: ~ 1 %, splashing: ~ 0.5 %.	Ultrasonics: ~ 50 - 75°C, splashing: > 55°C only.	X	X	Prevents from redeposition of deposits of lime & lime soaps.	1 l, 2.5 l, 10 l, 25 l.
Ca- and Mg-bound contaminations (lime, lime soaps); metal oxides (rust), flux- and inorganic residues; mineral oils & greases, emulsions, fingerprints, dust.	Labware, medical & dental instruments and workpieces made from stainless steel, glass, ceramics and plastic materials. Not for aluminium, magnesium and alloys of light metals. Check acid-sensitive plastic & glassy materials before.	Product-info elma lab clean S20 (elc S20), mildly acidic. 	< 1	Ultrasonics: ~ 1 - 2 %, splashing: ~ 0.5 %.	Ultrasonics: ~ 50 - 80°C, splashing: > 55°C only.	X	X	Prevents from redeposition of deposits of lime & lime soaps.	1 l, 2.5 l, 10 l, 25 l.