



Elma cleaning solutions for industrial, scientific, bio- & medical labs

cleaner	application	attributes	dosage [%]; [ml/l]	time [min.] temp. [°C]	in future replaced by
elma clean 10 universal concentrate	<p>For laboratory instruments & equipment and for workpieces made from stainless steel, glass, ceramics, plastics and rubber. Check plastic materials before. <u>Not for:</u> Al, Mg, Zn or alloys!</p> <p><u>Removes</u> blood, saliva, bone & protein residues, oil, grease, grinding and polishing paste, organic scale & cokings.</p>	<p>liquid, emulsifying, pH(conc.): 12 alkaline</p>	<p>Ultrasonic bath: 1 - 3 % eq. 10 - 30 ml/l or higher – according to dirt.</p> <p>Immersion bath: > 3 % eq. > 30 ml/l</p>	<p>With ultrasonics: 4 – 10 min at 50 – 80 °C.</p> <p>Immersion bath: 15 – 30 min at 50 – 80 °C</p>	elma lab clean A 25 (elc A25)
elma clean 60 concentrate, rust & lime re- mover	<p>For laboratory instruments & equipment made from stainless steel, glass, acid-resistant plastics. <u>Not for:</u> Al, Mg, Zn or alloys!</p> <p><u>Removes</u> rust, lime, grease, oil, and tarnish on metal surfaces.</p>	<p>liquid, emulsifying, pH(conc.): 0-1 acidic</p>	<p>Ultrasonic bath: 1 – 10 % eq. 10–100 ml/l</p> <p>Immersion bath: 20 % eq. 200 ml/l</p>	<p>Ultrasonic bath: 1 – 5 min 40 – 70 °C.</p> <p>Immersion bath: > 5 min 40 – 70 °C</p>	elma lab clean S 20 (elc S20)
elma clean 65 concentrate for delicate parts	<p>For delicate laboratory instruments & equipment and workpieces made from: all metals, glass, plastics, rubber.</p> <p><u>Removes</u> dust, fingerprints, pigments, grease, oil.</p>	<p>liquid, emulsifying, pH(conc.): 7-8 neutral</p>	<p>Ultrasonic bath: 2 – 5 % eq. 20 – 50 ml/l</p>	<p>Ultrasonic bath: about 5 min 20 – 80 °C</p>	elma lab clean N 10 (elc N10)
elma clean 70 concentrate, universal lab cleaner	<p>For laboratory instruments & equipments and workpieces made from: glass, stainless steel, ceramics, alkaline-resistant plastics, rubber.</p> <p><u>Removes</u> dust, oil, fats, greases, soot.</p>	<p>liquid, emulsifying, pH(conc.): 13 alkaline</p>	<p>Ultrasonic bath: 2 – 5 % eq. 20 – 50 ml/l</p> <p>Immersion bath: 5 – 10 % eq. 50 -100 ml/l</p>	<p>Ultrasonic bath: about 5 min 20 – 80 °C</p> <p>Immersion bath: about 15 min 20 – 80 °C</p>	elma lab clean A 10 (elc A10)
elma clean 75 ammoniated concentrate	<p>For workshop and laboratory. <u>Cleans:</u> non-ferrous metals, glass, precious metals, also with gems. <u>Not for</u> soft gems as corals, lapis lazuli, amber etc.!</p> <p><u>Removes:</u> non-ferrous metal oxide layers, dirt, grease, sweat, lapping & polishing residues.</p>	<p>liquid, ammoniated, emulsifying, pH(conc):10-11</p>	<p>Ultrasonic bath: 5 – 10 % eq. 50 -100 ml/l</p> <p>Immersion bath: 15 % eq. 150 ml/l</p>	<p>Ultrasonic bath: 5 – 10 min desoxidation at room temp., after mech. treatment: 50 – 70 °C</p> <p>Immersion bath: 15 min 50–75 °C</p>	Remains in the product program