

Qualitätszertifikat/Certificate of Conformity

Eppendorf Safe-Lock Tubes; Typical values for trace metal

The values in the table indicate typical values of trace metal concentrations which are obtained after incubating Eppendorf Safe-Lock Tubes with conc. nitric acid for 1 hour (see: Materials and Methods backside).

As the indicated values were determined in a one-time measurement, they cannot be guaranteed for every lot of Eppendorf Safe-Lock Tubes. Rather, they give the customer an idea to what extent trace elements can be eluted from the Eppendorf Tubes.

Eppendorf Safe-Lock Tubes	Trace metal release [ng/μl]								
	Al	Cd	Cr	Cu	Hg	Mn	Ni	Pb	Zn
Safe-Lock Tube 0.5 ml	0.003	<0.00002	<0.00005	<0.0001	<0.001	<0.00005	<0.00005	<0.00005	<0.001
Safe-Lock Tube 1.5 ml	0.002	<0.00002	<0.00005	<0.0001	<0.001	<0.00005	<0.00005	<0.00005	<0.001
Safe-Lock Tube 2.0 ml	0.002	<0.00002	<0.00005	<0.0001	<0.001	<0.00005	<0.00005	<0.00005	<0.001
Safe-Lock Tube Protein LoBind 0.5 ml	0.006	<0.00002	<0.00005	<0.0001	<0.001	<0.00005	<0.00005	<0.00005	<0.001
Safe-Lock Tube Protein LoBind 1.5 ml	0.004	<0.00002	<0.00005	<0.0001	<0.001	<0.00005	<0.00005	<0.00005	<0.001
Safe-Lock Tube Protein LoBind 2.0 ml	0.004	<0.00002	<0.00005	<0.0001	<0.001	<0.00005	<0.00005	<0.00005	<0.001
Safe-Lock Tube DNA LoBind 0.5 ml	0.004	<0.00002	0.0001	<0.0001	<0.001	<0.00005	<0.00005	<0.00005	<0.001
Safe-Lock Tube DNA LoBind 1.5 ml	0.003	<0.00002	0.0001	<0.0001	<0.001	<0.00005	<0.00005	<0.00005	<0.001
Safe-Lock Tube DNA LoBind 2.0 ml	0.003	<0.00002	0.0001	<0.0001	<0.001	<0.00005	<0.00005	<0.00005	<0.001

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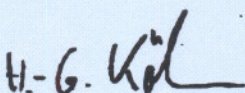
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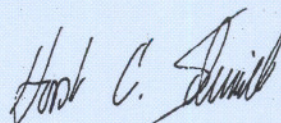
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The Safe-Lock Tubes 1.5 ml, Protein LoBind Safe-Lock 1.5 ml and DNA LoBind Safe-Lock 1.5 ml were filled with their nominal volume with conc. nitric acid (65%) and incubated for 1 hour at room temperature (20° C). The dispensed nitric acid was analyzed by inductively coupled plasma - mass spectrometry (ICP-MS). The trace metal concentrations are expressed in ng/μl. The values are the average of three samples individually analyzed. All values labeled with "<" indicate concentrations below the detection limit of the ICP-MS method."

The trace metal release of the remaining Safe-Lock Tubes (0.5 ml and 2.0 ml) were calculated from their surface/volume ratio.



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