

Eppendorf Certificate

Certificate of Quality

Cell Culture Consumables: Typical values for trace metals

The values in the table indicate typical values of trace metal concentrations which are obtained after incubating Eppendorf Cell Culture Plates with water for 72 hours at 40°C (see: Materials and Methods). As the indicated values were determined in a one-time measurement, they cannot be guaranteed for every lot of Eppendorf Cell Culture Consumables. Rather, they give the customer an idea to what extent trace elements can be eluted from the plates. As the same raw material and production process is used for the production of Eppendorf Cell Culture Dishes and Flasks similar values can be expected for these formats.

Product	Order No	Al	Pb	Cd	Ca	Cr	Cu	Mg	Mn	Ni	Hg	Zn
Cell Culture Plate, 6-well, TC treated	0030720113	<0.001	<0.00005	<0.00002	<0.001	<0.00005	<0.0001	<0.0001	<0.00005	<0.00005	<0.001	<0.001
Cell Culture Plate, 6-well, non-treated	0030720016	<0.001	<0.00005	<0.00002	<0.001	<0.00005	<0.0001	<0.0001	<0.00005	<0.00005	<0.001	<0.001

Material and Methods

Eppendorf Cell Culture Plates were filled with their nominal volume with ultrapure water and incubated for 72 hours at 40°C. The incubated water was then 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 (All analyses were performed by GALAB® Laboratories, Geesthacht, Germany accredited to DIN ISO/EC 17025).

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