

Multi ION Calibration Standard Solutions available for IMACIMUS

Multi ION Standards are designed to simultaneously calibrate up to 7 parameters within the use of IMACIMUS multiparameter meters

With your IMACIMUS meter, standard medium range calibration solutions are supplied, code HP08. These standard solutions, are useful for a wide range of samples, from different type and composition, and also can have used with extrapolation from the calibration curve.

In the table below are detailed the maximum and minimum for each calibration standard and for each ionic specie. IMACIMUS, as any other analytical technique, can provide higher accuracy results, when the target samples are in the center of the calibration range.

As a function of the typology of your sample matrix, you will be required to choose additional Standard Multi ION solutions, considering your expected concentration range.

Order Code	HP08		HP10		SAV00		TLB2		LR03	
RANGE	Medium		High		High		Low		Low	
E.g. / Use for	General use		High Salinity		Sap, concentrates, fertilizers		Soil extract, EDAR, Lixiviates		Mineral Water	
	ppm (mg/L)		ppm (mg/L)		ppm (mg/L)		ppm (mg/L)		ppm (mg/L)	
Ion	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
Ca ²⁺	360	36	360	36	1000	100	200	20	90	9
Cl ⁻	750	75	1600	160	3530	353	425	43	185	19
K ⁺	390	39	390	39	5000	500	120	12	50	5
Na ⁺	230	23	810	81	500	50	275	28	80	8
NH ₄ ⁺	40	4	140	14	500	50	16	2	10	1
NO ₃ ⁻	1320	132	1550	155	10000	1000	450	45	270	27
Mg ²⁺	110	11	110	11	500	50	40	4	40	4

Our technical department can formulate specific and customized calibration range, please contact us for further information. Please also consult all available single ion standards, for individual calibration from single salts.