

Amazing Solutions



Buffer solutions with a quality inspection certificate

Any pH measurement is only as accurate as the buffer solution used for calibration purposes. The internationally recognized pH scale is based on standard reference materials (SRM) selected by NIST (National Institute of Standards and Technology, USA). METTLER TOLEDO buffer solutions are traceable to these primary standards and come with a quality inspection certificate, which guarantees the stated values and traceability. They are particularly suitable, therefore, for use in quality assurance systems.

Download your detailed test certificate at www.mt.com/buffer.

Download the material safety datasheet (MSDS) at www.mt.com/msds.

Buffers, Standards	pH value at 25 °C	Order number 250 mL	Order number 6 x 250 mL	Order number 30 sachets 20 mL
Technical pH buffer solutions	2.00	51350002	51350016	
	4.01	51350004	51350018	51302069
	7.00	51350006	51350020	51302047
	9.21	51350008	51350022	51302070
	10.00	51350010	51350024	51302079
	11.00	51350012	51350026	
	Rainbow I (3 x 10 sachets 20 mL 4.01 / 7.00 / 9.21)			51302068
	Rainbow II (3 x 10 sachets 20 mL 4.01 / 7.00 / 10.01)			51302080
NIST/DIN pH buffer solutions	4.006	51350052		
	6.865	51350054		
	9.180	51350056		
	10.012	51350058		
Certified pH buffer solutions	4.01	51350032	51350042	
	7.00	51350034	51350044	
	9.21	51350036	51350046	
	10.00	51350038	51350048	
Redox buffer solutions	E (Ag/AgCl) 25 °C	Order number 250 mL	Order number 6 x 250 mL	Order number 6 x 30 mL
	220 mV, pH 7 ($U_H = 427$ mV)	51350060	51350062	
	468 mV, pH 0.1 ($U_H = 675$ mV)			51350064



Electrolytes for reference electrodes	Order number 25 mL	Order number 250 mL	Order number 6 x 250 mL	Order number 6 x 30 mL
KCl-solution 3 mol/L for ARGENTHAL™ reference systems	51343180	51350072	51350080	
KCl-solution 3 mol/L, AgCl saturated, for Ag/AgCl reference systems	51343184	51350074	51350082	
FRISCOLYT-B®, for measurement at low temperature and for media with organic compounds (oil, proteins etc.)	51343185	51350076	51350084	
LiCl Solution 1 mol/L in ethanol, for measurement in non-aqueous media				51350088
Cleaning solutions	Order number 250 mL	Order number 25 mL		
Pepsin-HCl for cleaning junctions with protein contamination. Treatment time about 1 h.	51350100			
Thiourea solution for cleaning junctions with silver sulfide contamination. Treatment until discoloration.	51350102			
Reactivation solution for regeneration of glass electrodes. Treatment time about 1 min.		51350104		
Conductivity standards	Order number 250 mL	Order number 6 x 250 mL	Order number 30 sachets 20 mL	
10 µS/cm	51300169			
84 µS/cm	51302153			
500 µS/cm	51300170			
1413 µS/cm	51350092	51350096		51302049
12.88 mS/cm	51350094	51350098		51302050
DO Accessories	Order number			
Zero oxygen tablets (20 pcs.)	51300140			

Solutions for ISE



Solutions for perfectION™ combined ISE

Reference electrolytes	Order number 5 x 60 mL	
Ion Electrolyte A (calcium, fluoride, sulfide)	51344750	
Ion Electrolyte B (chloride, cyanide, lead, silver/sulfide)	51344751	
Ion Electrolyte C (silver)	51344752	
Ion Electrolyte D (copper, iodide)	51344753	
Ion Electrolyte E (potassium)	51344754	
Ion Electrolyte F (nitrate)	51344755	
ISA solutions	Order number 475 mL	Order number 3790 mL
ISA solid state ISE (chloride, copper, iodide, silver)	51344760	
Calcium ISA	51344761	
Potassium ISA	51344762	
Nitrate ISA	51344763	
Nitrate ISS (for suppressing interference)	51344764	
Fluoride TISAB II with CDTA		51344765
Fluoride TISAB III with CDTA (concentrate)	51344766	

Solutions for DX series ISE half-cells

Bridge electrolytes	Order number 25 mL	Order number 250 mL	Order number 6 x 250 mL
1 mol/L KNO ₃	51343182	51350078	51350086
3 mol/L KCl	51343180	51350072	51350080
1 mol/L KCl	51343181		

ISA solutions

TISAB 3, for fluoride determinations		51350106	
0.9 mol/L Al ₂ (SO ₄) ₃		51350108	

ISE calibration standards

	Order number 500 mL
Silver ISE standard solution 1000 mg/L	51344770
Calcium ISE standard solution 1000 mg/L	51344771
Chloride ISE standard solution 1000 mg/L	51344772
Cyanide ISE standard solution 1000 mg/L	51344773
Copper ISE standard solution 1000 mg/L	51344774
Fluoride ISE standard solution 1000 mg/L	51344775
Iodide ISE standard solution 1000 mg/L	51344776
Potassium ISE standard solution 1000 mg/L	51344777
Sodium ISE standard solution 1000 mg/L	51344778
Nitrate ISE standard solution 1000 mg/L	51344779
Lead ISE standard solution 1000 mg/L	51344780
Sulfide ISE standard solution 1000 mg/L	51344781