

Gas Standards

- Portable, lightweight, and easy-to-use disposable cylinders
- Each standard comes with a certificate of analysis



6346
MicroMAT™-10
10L Disposable Cylinder



6347
MicroMAT™-14
14L Disposable Cylinder



6675
MicroMAT™-58
58L Disposable Cylinder

Single Component Gas Standards

Single Component Mixtures

Analyte/Concentration	Balance	Cylinder Size	Part No.
<i>Acetylene</i>			
1%	Helium	MicroMAT™-10	G0413
1%	Nitrogen	MicroMAT™-10	G0423
<i>Argon</i>			
99.995%	—	MicroMAT™-14	M7003
<i>Carbon Dioxide</i>			
99.80%	—	MicroMAT™-14	M7006
100ppm	Helium	MicroMAT™-10	G1211
1000ppm	Helium	MicroMAT™-10	G1212
1%	Helium	MicroMAT™-10	G1213
10%	Helium	MicroMAT™-10	G1214
<i>Carbon Monoxide</i>			
1000ppm	Helium	MicroMAT™-10	24047
10%	Helium	MicroMAT™-10	24054
<i>Ethane</i>			
99.00%	—	MicroMAT™-14	M7012
<i>Ethylene</i>			
100ppm	Helium	MicroMAT™-10	G0311
100ppm	Helium	MicroMAT™-14	M7030
1000ppm	Helium	MicroMAT™-10	G0312
1000ppm	Nitrogen	MicroMAT™-14	24022
8-10ppm	Air	MicroMAT™-14	24096
<i>Helium</i>			
99.995%	—	MicroMAT™-14	M7005
<i>Hydrogen</i>			
99.99%	—	MicroMAT™-14	M7004
100ppm	Nitrogen	MicroMAT™-14	M7125
1000ppm	Nitrogen	MicroMAT™-10	G1522
1%	Nitrogen	MicroMAT™-10	G1523
<i>Nitrogen</i>			
99.998%	—	MicroMAT™-14	M7002

Single Component Mixtures

Analyte/Concentration	Balance	Cylinder Size	Part No.
<i>Nitrous Oxide</i>			
98.00%	—	MicroMAT™-14	M7009
0.1ppm	Nitrogen	MicroMAT™-14	24042
1.0ppm	Nitrogen	MicroMAT™-14	24044
100ppm	Nitrogen	MicroMAT™-10	G1721
1000ppm	Nitrogen	MicroMAT™-10	G1722
<i>Methane</i>			
99.00%	—	MicroMAT™-14	M7011
100ppm	Helium	MicroMAT™-10	G0111
1000ppm	Helium	MicroMAT™-10	G0112
1%	Helium	MicroMAT™-10	G0113
10%	Helium	MicroMAT™-14	24066
100ppm	Nitrogen	MicroMAT™-14	M7029
1%	Nitrogen	MicroMAT™-10	G0123
10%	Nitrogen	MicroMAT™-14	24067
10ppm	Air	MicroMAT™-14	19781
<i>Oxygen</i>			
99.5%	—	MicroMAT™-14	M7001
100ppm	Helium	MicroMAT™-14	M7121
1%	Helium	MicroMAT™-10	G1613
1%	Nitrogen	MicroMAT™-10	G1623
2%	Nitrogen	MicroMAT™-14	24094
6%	Nitrogen	MicroMAT™-14	24095
10%	Nitrogen	MicroMAT™-10	G1624
<i>Propane</i>			
99.00%	—	MicroMAT™-14	M7014
<i>Vinyl Chloride (NIST Traceable)</i>			
10ppm	Nitrogen	MicroMAT™-14	G2001
1000ppm	Nitrogen	MicroMAT™-14	G2004

Multi-Component Gas Mixtures

Multi-Component Gas Mixtures

Description	Concentration	Cylinder Size	Part No.
<i>BTEX in Nitrogen</i>			
Benzene, Ethylbenzene, Toluene, Xylene	1ppm (mix)	MicroMAT™-58	24076
	10ppm (mix)	MicroMAT™-58	24099
	100ppm (mix)	MicroMAT™-58	24115
<i>C₂ to C₄ Alkyne in Nitrogen</i>			
Acetylene, 1-Butyne, 2-Butyne, Propyne	15ppm each	MicroMAT™-10	19797
<i>C₁ to C₄ Hydrocarbons in Nitrogen</i>			
Methane, Ethane, Ethylene, Acetylene, Propane, Propylene, Propyne, <i>n</i> -Butane	15ppm each	MicroMAT™-14	24130
<i>C₄ Hydrocarbons in Nitrogen</i>			
<i>n</i> -Butane, Isobutane, 2-Butene (<i>cis</i> and <i>trans</i>), 1-Butene, Isobutylene, 1,3-Butadiene, Ethyl Acetylene	15ppm each	MicroMAT™-14	24132
<i>2-Olefin Mixture in Nitrogen</i>			
2-Butene (<i>cis</i> and <i>trans</i>), 2-Pentene (<i>cis</i> and <i>trans</i>), 2-Hexene (<i>cis</i> and <i>trans</i>)	15ppm each	MicroMAT™-14	19775
<i>C₂ to C₆ Olefin Mixture in Helium</i>			
Ethylene, Propylene, 1-Butene, 1-Pentene, 1-Hexene	100ppm each	MicroMAT™-14	19784
	1000ppm each	MicroMAT™-14	M7020
<i>C₂ to C₆ Olefin Mixture in Nitrogen</i>			
Ethylene, Propylene, 1-Butene, 1-Pentene, 1-Hexene	1000ppm each	MicroMAT™-14	M7019
<i>C₁ to C₆ n-Paraffin Mixture in Helium</i>			
Methane, Ethane, Propane, Butane, Pentane, Hexane	100ppm each	MicroMAT™-14	19782
	1000ppm each	MicroMAT™-14	M7018
<i>C₁ to C₆ n-Paraffin Mixture in Nitrogen</i>			
Methane, Ethane, Propane, Butane, Pentane, Hexane	15ppm each	MicroMAT™-14	19772
	100ppm each	MicroMAT™-14	19783
	1000ppm each	MicroMAT™-14	M7017
<i>Branched Paraffin Mixture in Nitrogen</i>			
Isobutane, 2-Methylbutane, 2,2-Dimethylpropane, 2-Methylpentane, 3-Methylpentane, 2,2-Dimethylbutane	15ppm each	MicroMAT™-14	19774
<i>CO and CO₂ in Nitrogen</i>			
Carbon Monoxide, Carbon Dioxide	25ppm (CO), 1000ppm (CO ₂)	MicroMAT™-14	24136
<i>CO, CO₂, Methane, Ethane, Ethylene, Acetylene in Nitrogen</i>			
	1% each	MicroMAT™-14	M7035
<i>CO, CO₂, Methane, H₂, O₂ in Nitrogen</i>			
	1% each	MicroMAT™-14	M7036
<i>CO, CO₂, CH₄, H₂, O₂, N₂ in Helium</i>			
Carbon Monoxide, Carbon Dioxide, Methane, Hydrogen, Oxygen, Nitrogen	5% (CO), 5% (CO ₂), 4% (CH ₄), 4% (H ₂), 5% (O ₂), 5% (N ₂)	MicroMAT™-14	19792
<i>CO, CO₂, O₂ in Nitrogen</i>			
Carbon Monoxide, Carbon Dioxide, Oxygen	7% (CO), 15% (CO ₂), 3% (O ₂)	MicroMAT™-14	M7041
<i>CO, CO₂, CH₄, O₂ in Nitrogen</i>			
Carbon Monoxide Carbon Dioxide, Methane, Oxygen	7% (CO), 15% (CO ₂), 4.5% (CH ₄), 7% (O ₂)	MicroMAT™-14	19791
<i>CO, CO₂, H₂, O₂ in Nitrogen</i>			
	0.5% each	MicroMAT™-14	24138
	0.5% each (CO, CO ₂ , O ₂), 5% H ₂	MicroMAT™-14	M7037
<i>CO₂, O₂ in Nitrogen</i>			
	1% each	MicroMAT™-14	24029
	1% (CO ₂), 2% (O ₂)	MicroMAT™-14	M7040
	2% (CO ₂), 24% (O ₂)	MicroMAT™-14	24034

Special Gas Standards

Reactive Gas Standards

Reactive Gas Standards

Description	Concentration	Cylinder Size	Part No.
Hydrogen Sulfide in Nitrogen	10ppm	MicroMAT™-58	24102
	95ppm	MicroMAT™-58	24105
Nitric Oxide in Nitrogen	20-30ppm	MicroMAT™-58	24107

Natural Gas Standards

- Certificate of analysis
- Shelf life one year

Natural Gas Standards Concentrations

	GPA	Calorimetric	High Ethane	Helium-Enriched
Helium	0.50	—	—	2.00
Nitrogen	5.00	2.50	9.00	1.60
Carbon Dioxide	1.00	3.00	0.50	0.20
Ethane	9.00	3.50	12.50	3.00
Propane	6.00	1.00	7.00	1.70
Isobutane	3.00	0.40	3.00	1.00
<i>n</i> -Butane	3.00	0.40	3.00	1.00
Isopentane	1.00	0.15	0.50	0.30
<i>n</i> -Pentane	1.00	0.15	0.50	0.30
Neopentane	—	0.10	—	—
<i>n</i> -Hexane	—	0.05	—	—
<i>n</i> -Heptane	—	0.02	—	—
Methane	Balance	Balance	Balance	Balance

Natural Gas Standards

Description	Concentration	Cylinder Size	Part No.
Natural Gas GPA Standard	See above	MicroMAT™-14	24100
Natural Gas Calorimetric Standard	See above	MicroMAT™-14	24116
Natural Gas High Ethane Standard	See above	MicroMAT™-14	24128
Natural Gas Helium-Enriched Standard	See above	MicroMAT™-14	24131

related product

Looking for GASTIGHT™ syringes?

See pages 339–340.



5156

Hardware for Using Gas Cylinders

MicroMAT™-10 Syringe Adapter

- Maximum pressure 120psig



5386

MicroMAT™-10 Syringe Adapter

MicroMAT™-10 Syringe Adapter

Description	Cylinder Size	Part No.
Aerosol Syringe Adapter	MicroMAT™-10	8048
Replacement Septa, 12/pk	—	75801

MicroMAT™-14 Syringe Adapter

- Maximum pressure 240psig
- May be used with any 1/8" NPT (F) outlet



5385

MicroMAT™-14 Syringe Adapter

MicroMAT™-14 Syringe Adapter

Description	Cylinder Size	Part No.
Syringe Adapter	MicroMAT™-14	8810
Replacement Septa, 10/pk	—	8812

MicroMAT™-58 Regulator

- Stainless steel with hose barb outlet
- Push button on/off control
- Preset 0.3SLPM flow rate



6674

MicroMAT™-58 Regulator

MicroMAT™-58 Regulator

Description	Cylinder Size	Part No.
0–30psig, C-10 Valve	MicroMAT™-58	37201

Fatty Acid and Methyl Ester Standards

- Quality certificate supplied with every standard and mix

Fatty Acid and Methyl Ester Standards

Carbon #	Description	Free Fatty Acids		Fatty Acid Methyl Esters	
		Qty.	Part No.	Qty.	Part No.
11:0	Henedecanoic Acid (Undecylic)	0.5g	622110	0.5g	623110
12:0	Dodecanoic Acid (Lauric)	1g	622120	1g	623120
13:0	Tridecanoic Acid (Tridecylic)	1g	622130	1g	623130
14:0	Tetradecanoic Acid (Myristic)	1g	623140	1g	623140
15:0	Pentadecanoic Acid (Pentadecylic)	0.5g	622150	0.5g	623150
16:0	Hexadecanoic Acid (Palmitic)	1g	622160	1g	623160
16:1	<i>cis</i> -9-Hexadecenoic Acid (Palmitoleic)	0.1g	6221610	0.1g	6231610
17:0	Heptadecanoic Acid (Margaric)	1g	622170	1g	623170
18:0	Octadecanoic Acid (Stearic)	1g	622180	1g	623180
18:1	<i>cis</i> -9-Octadecenoic Acid (Oleic)	1g	6221810	1g	6231810
18:1	<i>trans</i> -9-Octadecenoic Acid (Elaidic)	1g	6221811	0.5g	6231811
18:1	<i>cis</i> -11-Octadecenoic Acid (<i>cis</i> -Vaccenic)	—	—	0.1g	62318101
18:1	<i>trans</i> -11-Octadecenoic Acid (<i>trans</i> -Vaccenic)	—	—	0.1g	62318121
18:2	<i>cis, cis</i> -9,12-Octadecadienoic Acid (Linoleic)	1g	6221820	1g	6231820
18:2	<i>trans,trans</i> -9,12-Octadecadienoic Acid (Linoelaidic)	0.1g	6221821	0.1g	6231821
18:3	All <i>cis</i> -9,12,15-Octadecatrienoic Acid (Linolenic)	0.1g	62218300	0.1g	6231830
18:3	All <i>cis</i> -6,9,12-Octadecatrienoic Acid (γ -Linolenic)	0.1g	62218301	0.1g	6231831
20:0	Eicosanoic Acid (Arachidic)	1g	6220200	1g	623200
20:1	<i>cis</i> -11-Eicosenoic Acid	0.1g	6220201	0.1g	623201
20:4	All <i>cis</i> -5,8,11,14-Eicosatetraenoic Acid (Arachidonic)	0.1g	6220204	0.1g	623204
20:5	All <i>cis</i> -5,8,11,14,17-Eicosapentaenoic Acid	10mg	6220205	10mg	623205
22:0	Docosanoic Acid (Behenic)	1g	6220220	1g	623220
22:5	All <i>cis</i> -7,10,13,16,19-Docosapentaenoic Acid	10mg	6220225	10mg	6232250
23:0	Tricosanoic Acid	0.1g	6220230	0.1g	623230
24:0	Tetracosanoic Acid (Lignoceric)	0.1g	6220240	0.1g	623240

Fatty Acid Methyl Ester Mixes

Description	Components	Qty.	Part No.
K101	C8:0, C10:0, C12:0, C14:0, C16:0, C18:0, C20:0	100mg	625001
K103	C12:0, C14:0, C14:1, C16:0, C16:1 <i>cis</i>	50mg	625002
K1000	C13:0, C15:0, C17:0, C19:0, C21:0	50mg	625003
K104	C14:0, C16:0, C18:0, C20:0, C22:0, C24:0	100mg	625004
K110	C16:0, C16:1 <i>cis</i> , C16:1 <i>trans</i> , C18:0, C18:1 <i>cis</i> -9, C18:1 <i>trans</i> -9, C18:2 <i>cis,cis</i> , C18:2 <i>trans,trans</i>	100mg	625005
K108	C16:0, C18:0, C18:1 <i>cis</i> -9, C18:2 <i>cis,cis</i> , C18:3 all <i>cis</i>	50mg	625006
K2000	C18:0, C18:1 <i>cis</i> -9, C18:2 <i>cis,cis</i> , C18:3 all <i>cis</i> , C20:4 all <i>cis</i>	50mg	625007
K3000	C18:2 <i>cis,cis</i> , C18:3 all <i>cis</i> , C20:4 all <i>cis</i> , C22:6 all <i>cis</i>	50mg	625008
K4000	C20:0, C20:1 <i>cis</i> , C20:2 <i>cis,cis</i> , C20:3 all <i>cis</i> , C20:4 all <i>cis</i>	50mg	625009
K107	C20:0, C20:1 <i>cis</i> , C22:0, C22:1 <i>cis</i> , C24:0, C24:1 <i>cis</i>	50mg	625010
K5000 Mix A	C6:0, C8:0, C10:0, C12:0	100mg in 5mL	625017
K5000 Mix B	C12:0, C14:0, C16:0, C18:0	100mg in 5mL	625018
L207	C18:0, C18:1 <i>cis</i> -9, C20:0, C22:0, C22:1 <i>cis</i> , C24:0, C24:1 <i>cis</i>	50mg	625021
L205	C18:0, C18:1 <i>cis</i> -9, C18:2 <i>cis,cis</i> , C18:3 all <i>cis</i> , C20:4 all <i>cis</i>	100mg	625022
L209	C20:0, C20:1 <i>cis</i> , C20:4 all <i>cis</i> , C22:1 <i>cis</i> , C22:6 all <i>cis</i>	25mg	625023
AOCS Mix 1	C16:0, C18:0, C18:1 <i>cis</i> -9, C18:2 <i>cis,cis</i> , C18:3 all <i>cis</i> , C20:0	50mg	625024
AOCS Mix 3	C16:0, C18:0, C18:1 <i>cis</i> -9, C18:2 <i>cis,cis</i> , C18:3 all <i>cis</i> , C20:0, C22:0, C22:1 <i>cis</i> , C24:0	50mg	625026
AOCS Mix 3A	C16:0, C18:0, C18:1 <i>cis</i> -9, C18:2 <i>cis,cis</i> , C18:3 all <i>cis</i> , C20:0, C20:1 <i>cis</i> , C22:0, C22:1 <i>cis</i> , C24:0	25mg	625027
AOCS Mix 5	C8:0, C10:0, C12:0, C14:0, C16:0, C18:0, C18:1 <i>cis</i> -9, C18:2 <i>cis,cis</i>	50mg	625029
AOCS Mix 6	C14:0, C16:0, C16:1 <i>cis</i> , C18:0, C18:1 <i>cis</i> -9, C18:2 <i>cis,cis</i> , C18:3 all <i>cis</i>	50mg	625030

Hydrocarbons and Miscellaneous Standards and Kits

- Quality certificate supplied with every standard and mix

Use Standards and Mixes with complete confidence in purity and quality. Don't waste your valuable lab time to verify the standards you need. To satisfy your documentation needs, Grace supplies a purity certificate for every standard and mix.

Organic Acid Standards

Description	Qty.	Part No.
Oxalic Acid, 1000ppm	125mL	37033
Maleic Acid, 1000ppm	125mL	37037
Malic Acid, 1000ppm	125mL	37039
Succinic Acid, 1000ppm	125mL	37043
Formic Acid, 1000ppm	125mL	37045
Acetic Acid, 1000ppm	125mL	37047
Citric Acid, 1000ppm	125mL	37049
Tartaric Acid, 1000ppm	125mL	37051
Lactic Acid, 1000ppm	125mL	37053
Abietic Acid, 1000ppm	125mL	37055
Methane Sulfonic Acid, 1000ppm	125mL	37057

n-Paraffin Mixtures

Description	Qty.	Part No.
<i>Neat Mixtures (No Solvent—Equal Weights of Components)</i>		
C5, C6, C7, C8	2mL	628001
C7, C8, C9, C10	2mL	628002
C9, C10, C11, C12	2mL	628003
C11, C12, C13, C14	2mL	628004
C12, C14, C16, C18	2mL	628005
<i>Mixtures (In 5mL Hexane—Equal Weight of Components)</i>		
C16, C18, C20, C22	0.5g	628006
C20, C22, C24, C26	0.1g	628007
C24, C26, C28, C30	50mg	628008
C28, C30, C32, C34	50mg	628009
C32, C34, C36, C38	50mg	628010

Hydrocarbons (n-Paraffins)

Carbon No.	Description	Qty.	Part No.
C5	n-Pentane	1g	620050
C6	n-Hexane	1g	620060
C7	n-Heptane	1g	620070
C8	n-Octane	1g	620080
C9	n-Nonane	1g	620090
C10	n-Decane	1g	620100
C11	n-Hendecane	1g	620110
C12	n-Dodecane	1g	620120
C13	n-Tridecane	1g	620130
C14	n-Tetradecane	1g	620140
C15	n-Pentadecane	1g	620150
C16	n-Hexadecane	1g	620160
C17	n-Heptadecane	1g	620170
C18	n-Octadecane	1g	620180
C19	n-Nonadecane	1g	620190
C20	n-Eicosane	1g	620200
C21	n-Heneicosane	1g	620210
C22	n-Docosane	1g	620220
C23	n-Tricosane	1g	620230
C24	n-Tetracosane	1g	620240
C25	n-Pentacosane	0.1g	620250
C26	n-Hexacosane	0.1g	620260
C27	n-Heptacosane	0.1g	620270
C28	n-Octacosane	1g	620280
C29	n-Nonacosane	0.1g	620290
C30	n-Triacontane	0.1g	620300
C32	n-Dotriacontane	0.1g	620320
C34	n-Tetracontane	0.1g	620340
C36	n-Hexatriacontane	0.1g	620360
C38	n-Octatriacontane	0.1g	620380
C40	n-Tetracontane	0.1g	620400
C44	n-Tetratetracontane	0.1g	620440

Aromatic Hydrocarbon Mix

Description	Qty.	Part No.
BETX Mix	2g	629001

Contains equal amounts of benzene, toluene, ethylbenzene, o-xylene, m-xylene, and p-xylene.

Standards Kits

Description	Kit Contains 100mg Each Component	Part No.
<i>Free Fatty Acid Kits</i>		
Short Chain	C2, C3, C4, C5, C6, C7, C8	18600
Even Carbon	C10, C12, C14, C16, C18, C20, C22	186021
Odd Carbon	C9, C11, C13, C15, C17, C19, C21, C23	18608
<i>Fatty Acid Ester Kits</i>		
Methyl Esters, Even Carbon	C10, C12, C14, C16, C18, C20, C22	18603
Methyl Esters, Odd Carbon	C9, C11, C13, C15, C17, C19, C21	18609
Ethyl Esters, Even Carbon	C6, C8, C10, C12, C14, C16, C18, C20, C22, C24	18610
Ethyl Esters, Odd Carbon	C7, C9, C11, C13, C15, C17, C19, C21, C23	18611
<i>Hydrocarbon Kits</i>		
Saturated, Even Carbon	C10, C12, C14, C16, C18, C20, C22, C24, C28, C32, C36	18484
Saturated, Odd Carbon	C9, C11, C13, C15, C17, C19, C21, C23, C25	18485

Alltech® IC Standards

- High purity for sensitive applications
- Prepared from NIST standard reference materials
- Certified by two independent methods
- Detailed Certificate of Analysis included



3493

Certified Anion and Cation Standards

Anion Standards (125mL)

Description	1000ppm Part No.	200ppm Part No.
Bromate	37058	—
Bromide	37005	37006
Chlorate	37034	—
Chloride	37009	37010
Chlorite	37038	—
Chromate	37042	—
Fluoride	37011	37012
Iodide	37013	—
Nitrate	37019	37020
Nitrate-N	37234	—
Nitrite	37021	37022
Nitrite-N	37235	—
Perchlorate	37048	—
Phosphate	37023	37024
Phosphate-P	37236	—
Sulfate	37031	37032
Thiocyanate	37046	—

Cation Standards (125mL)

Description	1000ppm Part No.	200ppm Part No.
Ammonium	37001	37002
Ammonium-N	37233	—
Calcium	37007	37008
Lithium	37015	37016
Magnesium	37017	37018
Potassium	37025	37026
Sodium	37029	37030

Certified Organic Anion Standards

Organic Anion Standards (125mL)

Description	1000ppm Part No.
Acetate	37052
Citrate	37091
Formate	37050
Glycolate	37054
Lactate	37093
Malate	37095
Maleate	37099
Methanesulfonate	37221
Nitilotriacetate (NTA)	37228
Oxalate	37056
Propionate	37229
Succinate	37223
Tartrate	37224

Certified Organic Acid Standards

Organic Acid Standards (125mL)

Description	1000ppm Part No.
Oxalic Acid	37033
Maleic Acid	37037
Malic Acid	37039
Succinic Acid	37043
Formic Acid	37045
Acetic Acid	37047
Citric Acid	37049
Tartaric Acid	37051
Lactic Acid	37053
Abietic Acid	37055
Methanesulfonic Acid	37057

Certified Amine Standards

Amine Standards (125mL)

Description	1000ppm Part No.
Ethanolamine	37225
Diethanolamine	37226
Triethanolamine	37227
Monomethylamine	37230
Dimethylamine	37231
Trimethylamine	37232

Alltech® IC Standards



Certified Multi-Standard Kits

- Cost-effective ways to purchase multiple single-ion standards

Multi-Standard Kits

Description	Part No.
<i>Anion Kits</i>	
200ppm Kit: Contains 125mL ea of 200ppm Certified Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , and SO ₄	37035
1000ppm Kit: Contains 125mL ea of 1000ppm Certified Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , and SO ₄	37036
Anion and Oxyhalide Kit: (EPA 300.1Part B) Contains 125mL ea of 200ppm certified Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , and SO ₄ , ClO ₂ , ClO ₃ , BrO ₃	37085
<i>Cation Kits</i>	
200ppm Kit: Contains 125mL ea of 200ppm Certified Li, Na, NH ₄ , K, Mg, and Ca	37040
1000ppm Kit: Contains 125mL ea of 1000ppm Certified Li, Na, NH ₄ , K, Mg, and Ca	37041

Certified Multi-Component Mixtures

- Multiple ions in a single mixture

Multi-Component Mixtures (125mL)

Description	Part No.
<i>Anion Mixtures</i>	
Mix A: 125mL Mixture Contains: F(10ppm), Cl(20ppm), O ₂ (20ppm), Br(20ppm), NO ₃ (20ppm), PO ₄ (30ppm), SO ₄ (30ppm)	26910200
Mix 1: 125mL Mixture Contains: F(1ppm), Cl(5ppm), NO ₂ (5ppm), Br(5ppm), NO ₃ (5ppm), PO ₄ (5ppm), SO ₄ (5ppm)	269106
Mix 2: 125mL Mixture Contains: F(1ppm), Cl(10ppm), NO ₂ (10ppm), Br(10ppm), NO ₃ (10ppm), PO ₄ (10ppm), SO ₄ (10ppm)	269107
Mix 3: 125mL Mixture Contains: F(10ppm), Cl(20ppm), NO ₂ (20ppm), Br(20ppm), NO ₃ (20ppm), PO ₄ (20ppm), SO ₄ (20ppm)	269108
Mix 4: 125mL Mixture Contains: F(20ppm), Cl(40ppm), NO ₂ (40ppm), Br(40ppm), NO ₃ (40ppm), PO ₄ (40ppm), SO ₄ (40ppm)	269109
Mix 5: 125mL Mixture Contains: F(25ppm), Cl(50ppm), NO ₂ (50ppm), Br(50ppm), NO ₃ (50ppm), PO ₄ (50ppm), SO ₄ (50ppm)	269110
Mix 6: 125mL Mixture Contains: Cl(1000ppm), Br(1000ppm), NO ₃ (1000ppm), PO ₄ (1000ppm), SO ₄ (1000ppm)	269111
Mix 7: 125mL Mixture Contains: Cl(15ppm), Br(15ppm), NO ₃ (15ppm), PO ₄ (15ppm), SO ₄ (5ppm)	269112
Mix 8: 125mL Mixture Contains: F(25ppm), Cl(50ppm), SO ₄ (100ppm)	269113
<i>Cation Mixtures</i>	
Mix A: 125mL Mixture Contains: Li(0.5ppm), Na(3ppm), NH ₄ (3ppm), K(6ppm)	26910300
Mix B: 125mL Mixture Contains: Li(0.2ppm), Na(1.5ppm), NH ₄ (1.5ppm), K(2.5ppm), Mg(2.0ppm), Ca(2.0ppm)	26910400

EZ-LUTE™ Buffer Concentrates

- Simplify mobile phase preparation
- For anion, cation, and organic acid analyses
- Dilution instructions included



6561

EZ-LUTE™ Buffers for accurate concentrations every time.

EZ-LUTE™ Buffer Concentrates*

Description	Part No.
<i>Non-suppressed Buffers, 12 x 25mL</i>	
4mM Phthalic Acid	470217
4mM Phthalic Acid, pH 4.5	470216
4mM p-Hydroxybenzoic Acid	470212
5mM p-Hydroxybenzoic Acid	470215
7mM p-Hydroxybenzoic Acid	470214
5mM LiOH/Benzoate	470213
3mM Methanesulfonic Acid	470211
<i>Suppressor-based Buffers, 1 x 100mL</i>	
1.7mM Bicarbonate/1.8mM Carbonate	470119
2.8mM Bicarbonate/2.2mM Carbonate	470201
2.1mM Bicarbonate/1.6mM Carbonate	470203
0.85mM Bicarbonate/0.9mM Carbonate	470208
0.7mM Bicarbonate/1.2mM Carbonate	470122
3.6mM Carbonate	470123
500mM Bicarbonate	470209
500mM Carbonate	470210

*Concentration after dilution.

more info

Custom Standards Available

If you need it, we can make it, whether a single ion or a complex mixture. Request a quote for part number **C2690**, in any volume from 125mL to 1-liter. Fast delivery!