



Be Right™

Lab Applications

Quick Reference Guide

Version 1.1





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Application			Instrument											Vertical Market										
Parameter	EPA	Chemistry	Range (mg/l unless noted)	AT1000	HQd Meter	DR6000 Spectrophotometer	DR3900 Spectrophotometer	DR1900 Spectrophotometer	DR900 Colorimeter	DR300	SL1000	Kits	Digital Titrator	Other Instrument	Drinking Water					Industrial				
															Raw Water	Clarifier Effluent	Filter/Membrane Effluent	Final Effluent	Distribution System	Waste Water	Power/Steam	Chemical/Petrochemical	Pulp & Paper	Food
Acidity		Sodium Hydroxide/Methyl Orange/Phenolphthalein	10-4000										*	*				*	*	*	*	*	*	
Advanced Drinking Water Lab												*												
Advanced Portable Lab												*												
Advanced Wastewater Lab												*												
Alkalinity		pH-metric titration	0.4-20 mmol/L	*											*	*	*	*	*	*	*	*	*	
Alkalinity		TNT870	25-400			*	*	*							*	*	*	*	*	*	*	*	*	
Alkalinity		ChemKey	20-200							*					*	*	*	*	*	*	*	*	*	
Alkalinity		ChemKey	200-700							*					*	*	*	*	*	*	*	*	*	
Alkalinity		Sulfuric Acid/ Phenolphthalein/Bromcresol Green-Methyl Red	10-4000										*		*	*	*	*	*	*	*	*	*	
All colorimetric		All colorimetric	variable										Lachat		*	*	*	*	*	*	*	*	*	
Aluminum		Alumion	0.008-0.800			*	*	*	*	*					*	*	*	*	*	*	*	*	*	
Aluminum		Eriochrome Cyanide R	0.006-0.250			*	*	*							*	*	*	*	*	*	*	*	*	
Aluminum		TNT848	0.02-0.50			*	*	*							*	*	*	*	*	*	*	*	*	
Arsenic	*	Silver Diethyldithiocarbamate	0-0.200			*	*	*							*	*	*	*	*	*	*	*	*	
Ballast Water Validation													*											
Barium		Turbidimetric	2-100			*	*	*	*						*	*	*	*	*	*	*	*	*	
Barium		Turbidimetric	2-10000			*	*	*	*						*	*	*	*	*	*	*	*	*	
Basic Drinking Water Laboratory													*											
Basic Wastewater Lab													*											
Benzotriazole/Tolytriazole		UV Photolysis	1.0-20.0			*	*	*	*							*	*	*	*	*	*	*	*	
Biochemical Oxygen Demand	*	Luminescent	0.05-20.00		*										*						*	*	*	
Boiler Feed and Scale													*											
Boiler Treatment Control													*											
Boron		Carmine	0.2-14			*	*	*	*							*	*	*	*	*	*	*	*	
Boron		Carmine	2-50			*	*	*	*							*	*	*	*	*	*	*	*	
Boron		TNT877	0.02-2.50			*	*	*								*	*	*	*	*	*	*	*	
Bromine		Electrometric titration	0.500-200/100 g Br2	*												*	*	*	*	*	*	*	*	
Bromine		DPD powder pillow	0.05-4.50			*	*	*	*						*	*	*	*	*	*	*	*	*	
Bromine		DPD AccuVac	0.05-4.50			*	*	*	*						*	*	*	*	*	*	*	*	*	
Cadmium		TNT852	0.02-0.30			*	*	*							*	*	*	*	*	*	*	*	*	
Cadmium		Dithizone	0.0007-0.0800			*	*	*							*	*	*	*	*	*	*	*	*	
Carbon Dioxide		Sodium Hydroxide/ Phenolphthalein	10-1000										*		*	*	*	*	*	*	*	*	*	
Chelants, Free		Magnesium Chloride/Calmagite	0-20.0										*		*	*	*	*	*	*	*	*	*	
Chelants, Total		Bismuth Nitrate/Methylthymol Blue	0-40.0										*		*	*	*	*	*	*	*	*	*	
Chemical Oxygen Demand (COD)		Manganese III TNT	30-1000			*	*	*	*						*	*	*	*	*	*	*	*	*	
		Mercury-free TNT825	25-1000			*	*	*	*						*	*	*	*	*	*	*	*	*	
		Dichromate TNT	0.7-40			*	*	*	*						*	*	*	*	*	*	*	*	*	
		Dichromate TNT	3-150			*	*	*	*						*	*	*	*	*	*	*	*	*	
		Dichromate TNT	20-1500			*	*	*	*						*	*	*	*	*	*	*	*	*	
		Dichromate TNT	200-15000			*	*	*	*						*	*	*	*	*	*	*	*	*	
		TNT820	1-60			*	*	*	*						*	*	*	*	*	*	*	*	*	
		TNT821	3-150			*	*	*	*						*	*	*	*	*	*	*	*	*	
		TNT822	20-1500			*	*	*	*						*	*	*	*	*	*	*	*	*	
		TNT823	250-15000			*	*	*	*						*	*	*	*	*	*	*	*	*	
Chloramine (Mono)		Indophenol TNT	0.1-10.0			*	*	*	*						*	*	*	*	*	*	*	*	*	
Chloramine (Mono)		Indophenol	0.04-4.50			*	*	*	*						*	*	*	*	*	*	*	*	*	
Chloramine (Mono)		ChemKey	0.04-4.60							*					*	*	*	*	*	*	*	*	*	
Chloramine (Mono) and Nitrogen, Free Ammonia		Indophenol	0.04-4.60			*	*	*	*						*	*	*	*	*	*	*	*	*	
Chloride		Silver nitrate titration	5-400	*											*	*	*	*	*	*	*	*	*	
Chloride		Mercuric Thiocyanate	0.1-25.0			*	*	*							*	*	*	*	*	*	*	*	*	
Chloride		TNT879	1.0-1000			*	*	*							*	*	*	*	*	*	*	*	*	
Chloride		QuanTab test strip	30-600			*	*	*							*	*	*	*	*	*	*	*	*	
Chloride		QuanTab test strip	300-6000			*	*	*							*	*	*	*	*	*	*	*	*	
Chloride		Mercuric Nitrate/ Diphenylcarbazone	10-8000										*		*	*	*	*	*	*	*	*	*	
Chloride		Silver Nitrate/Potassium Chromate	10-10000										*		*	*	*	*	*	*	*	*	*	
Chloride		Ion selective electrode	0.1-35500		*										*	*	*	*	*	*	*	*	*	
Chlorine Demand	*	DPD powder pillow	variable			*	*	*	*						*	*	*	*	*	*	*	*	*	
Chlorine Dioxide		Thiosulfate titration	100-4500	*											*	*	*	*	*	*	*	*	*	
Chlorine Dioxide		Phenyl arsine oxide titration	0.100-5.00	*											*	*	*	*	*	*	*	*	*	
Chlorine Dioxide		Chlorophenol Red	0.01-1.00			*	*	*							*	*	*	*	*	*	*	*	*	
Chlorine Dioxide	*	DPD powder pillow	0.04-5.00			*	*	*	*						*	*	*	*	*	*	*	*	*	
Chlorine Dioxide	*	DPD AccuVac	0.04-5.00			*	*	*	*						*	*	*	*	*	*	*	*	*	

