

### PeCOD Solution Preparation Instructions

Select the appropriate electrolyte for your COD range. Blank, Calibrant and Sample solutions must be mixed with the same color electrolyte, and in specified ratios:

Blue	<25 mg/L	Blue.....4 parts with 3 parts blue electrolyte
Advanced Blue	<25 mg/L Drinking Water	Advanced Blue...3 parts with 1 part blue electrolyte
Green	<150 mg/L	Green.....1 part with 1 part green electrolyte
Yellow	<1,500 mg/L	Yellow.....1 part with 9 parts yellow electrolyte
Red	< 15,000 mg/L	Red.....1 part with 49 parts red electrolyte

<b>BLUE RANGE</b>		
<b>Blank Solution (500mL bottle)</b>	<b>Calibrant Solution (250mL bottle)</b>	<b>Sample (recommend ~20mL per analysis)</b>
200mL DI Water + 150mL Blue Electrolyte	100mL Original Calibrant + 75mL Blue Electrolyte	12mL Sample + 9mL Blue Electrolyte
<b>ADVANCED BLUE RANGE</b>		
<b>Blank Solution (500mL bottle)</b>	<b>Calibrant Solution (250mL bottle)</b>	<b>Sample (recommend ~20mL per analysis)</b>
300mL DI Water + 100mL Blue Electrolyte	150mL Original Calibrant + 50mL Blue Electrolyte	15mL Sample + 5mL Blue Electrolyte
<b>GREEN RANGE</b>		
<b>Blank Solution (500mL)</b>	<b>Calibrant Solution (250mL)</b>	<b>Sample (recommend ~20mL per analysis)</b>
250mL DI Water + 250mL Green Electrolyte	125mL Original Calibrant + 125mL Green Electrolyte	10mL Sample + 10mL Green Electrolyte
<b>YELLOW RANGE</b>		
<b>Blank Solution (500mL)</b>	<b>Calibrant Solution (250mL)</b>	<b>Sample (recommend ~20mL per analysis)</b>
50mL DI Water + 450mL Yellow Electrolyte	25mL Original Calibrant + 225mL Yellow Electrolyte	2mL Sample + 18mL Yellow Electrolyte
<b>RED RANGE</b>		
<b>Blank Solution (500mL)</b>	<b>Calibrant Solution (250mL)</b>	<b>Sample (recommend ~20mL per analysis)</b>
10mL DI Water + 490mL Red Electrolyte	5mL Original Calibrant + 245mL Red Electrolyte	0.4mL Sample + 19.6mL Red Electrolyte