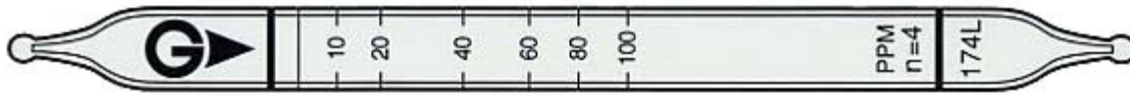


**1,3-Butadiene****NO.174L****Performance**

<b>Measuring Range</b>	2.5 to 5 ppm	5 to 100 ppm
<b>Number of Pump Strokes</b>	8	4
<b>Correction Factor</b>	1/2	1
<b>Sampling Time</b>	3 minutes per pump stroke	
<b>Detecting Limit</b>	0.5 ppm (n=8)	
<b>Color Change</b>	Pale yellow → White	
<b>Reaction Principle</b>	1,3-Butadiene reacts with palladium sulfate and ammonium molybdate to produce white compound.	
<b>Coefficient of Variation</b>	10% (for 5 to 20 ppm), 5% (for 20 to 100 ppm)	
<b>Shelf Life</b>	3 Years	
<b>Corrections for temperature &amp; humidity</b>	Temperature correction is necessary	
<b>Store the tubes at cool and dark place.</b>		

**Possible coexisting substances and their interferences (NOTE)**

<b>Substance</b>	<b>Concentration</b>	<b>Interference</b>	<b>Change color by itself</b>
Acetylene, Hydrogen cyanide	-	Plus error	Discolor to white
Carbon monoxide, Hydrogen	-	Plus error	Discolors to blue for whole layer
Hydrogen chloride	-	Plus error	Discolors to pink stain
Hydrogen sulfide	-	Plus error	Discolors to black
Ethylene, Propylene, Butylene	-	Plus error	Discolors to blue
Butane, Pentane	-	Plus error	Discolor to blue for whole layer

**Other substance measurable with this detector tube**

<b>Substance</b>	<b>Correction Factor</b>	<b>Pump Strokes</b>	<b>Measuring Range</b>
1,3-Pentadiene	8.5	4	42.5 to 850 ppm

**Calibration gas generation** Permeation tube method

TLV-TWA	TLV-STEL	Explosive range
2ppm	-	2.0 to 12%



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Nextteq LLC – 8406 Benjamin Rd., Suite J, Tampa FL 33634, USA

Phone (toll free): 877-312-2333 Fax (toll free) 877-312-2444

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