



Product Performance
Ozone Vacu-vials® Kit, Cat. No. K-7433

Precision

The precision data below is based on replicate analysis of ozone standards prepared in deionized water. Standards were analyzed on a spectrophotometer or CHEMetrics Single Analyte Photometer (I-2022 SAM) during ideal testing conditions. The 95% confidence interval of the distribution was determined from the standard deviation.

| Instrument Platform | Standard Concentration | Precision |
|--------------------------|------------------------|-------------------------|
| | | 95% Confidence Interval |
| <i>Spectrophotometer</i> | <i>0.16 mg/L</i> | <i>0.15 - 0.17 mg/L</i> |
| <i>Spectrophotometer</i> | <i>0.54 mg/L</i> | <i>0.52 - 0.56 mg/L</i> |
| <i>I-2022 SAM</i> | <i>0.16 mg/L</i> | <i>0.15 - 0.17 mg/L</i> |
| <i>I-2022 SAM</i> | <i>0.54 mg/L</i> | <i>0.52 - 0.57 mg/L</i> |

Sensitivity with a spectrophotometer

Concentration change per 0.010 Abs change: 0.02 mg/L