



Bioscience, Inc.

Environmental Products & Services

ISO 9001:2015 Certified

The Micro-COD Test Method accu-TEST™ High Range (100-4500 mg/L COD)

- (1) Preheat a COD heater block (do not use oven) to 150° Celsius.
- (2) Remove the cap from a COD twist-cap vial.
- (3) Carefully add 0.5 mls of sample down the side of the vial such that it forms a layer on top of the reagents.
- (4) Replace the twist cap.
- (5) Thoroughly mix the contents of the sealed vial by shaking.
- (6) Process standards and blanks exactly as the samples.
- (7) Place the twist-cap vial in a COD heater block capable of maintaining 150° +/- 2° Celsius for 2 hours.
- (8) Remove the vial from the heater block and allow to cool.
- (9) Allow any suspended precipitate to settle and wipe the outside of the vial clean.
- (10) Set the wavelength of the spectrophotometer to 600 nm, and, using a procedural blank, zero the absorbance reading.
- (11) Read the absorbance of each standard and sample on the spectrophotometer.
- (12) Prepare a graphic calibration curve by plotting the absorbance of the standards versus their known concentrations. Compare sample absorbances to the graphic calibration curve to determine COD concentrations. *

* Calculation of the linear regression calibration curve via scientific calculator or computer program is preferred.

Also Available From Bioscience, Inc.

- accu-TEST Standard Range Twist Cap COD Vials (20-900 mg/L COD)
- accu-TEST Low Range Twist Cap COD Vials (5-150 mg/L COD)
- accu-TEST Mercury-free Twist-Cap COD Vials
- accu-TEST COD Heater Blocks
- Spectrophotometers/Colorimeters