

## Method

**References:** Method developed by CHEMetrics based on ASTM D 2194-79, Concentration of Formaldehyde Solutions.

Glutaraldehyde-based disinfectants are used throughout the healthcare industry for cleaning and sterilizing. Many surfaces found in the medical, surgical, and dental environments are cleaned by dipping, wiping, or rinsing with glutaraldehyde solutions. Glutaraldehyde-based disinfectants are also used to clean dialysis machines and reusable dialyzers.

In CHEMetrics' test, glutaraldehyde concentrations are determined by titration with sulfuric acid in the presence of sodium sulfite. Phenolphthalein is used as the end point indicator. A color change from colorless to pink signals the end of the titration. Results are expressed in percent (%) glutaraldehyde.

## Visual Kit

**Range: 0.1-1%**  
MDL: 0.10% / Method: Acid Titrant with Phenolphthalein Indicator

### Titrets Kit

Cat#  
K-4302

Increments:  
0.10, 0.11, 0.12, 0.13, 0.14, 0.15, 0.16, 0.18, 0.20, 0.25, 0.30, 0.35, 0.40, 0.50, 0.70, 1.0%

Kit comes in a cardboard box and contains everything needed to perform 30 tests: thirty ampoules with valve assemblies, Indicator Solution, titrettor, 25 mL sample cup, instructions, and MSDS.

### Kit Components common to Glutaraldehyde

#### Description

Cat#

Sample Cup Pack, 25 mL (6 ea)

A-0013

Titrettor Pack (1 ea)

A-0053

*Instructions are posted on our website.*

