



Stearic acid control (DAG-WT2601)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Conjugate	Unconjugated
Applications	Immunoassays
Format	Liquid or Lyophilized
Concentration	5mmol/L
Size	0.5 mL, 1.0 mL
Buffer	Synthetic serum
Storage	Store at -20°C

BACKGROUND

Introduction	Stearic acid is a saturated fatty acid with an 18-carbon chain.[9] The IUPAC name is octadecanoic acid. It is a soft waxy solid with the formula $\text{CH}_3(\text{CH}_2)_{16}\text{CO}_2\text{H}$. The triglyceride derived from three molecules of stearic acid is called stearin. Stearic acid is a prevalent fatty-acid in nature, found in many animal and vegetable fats, but is usually higher in animal fat than vegetable fat. It has a melting point of 69.4 °C and a pKa of 4.50.
Keywords	Stearic acid; Octadecanoic acid; C18:0