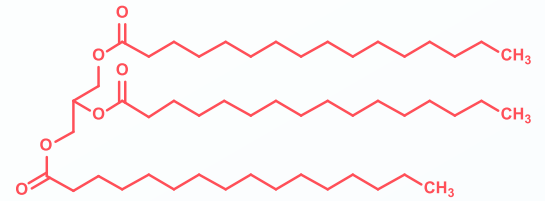




Triacylglycerides (TAGs) Assay



Triacylglycerides

Triacylglycerides (Triglycerides, TAGs) are esters of glycerol and three fatty acids. TAGs are a large class of lipids due to the variability of their fatty acid residues and their location on any of the three positions on the glycerol backbone. The main physiological function of TAGs in an organism is the storage of energy.

Applications

Several analysis methods are available to support in vivo animal studies in plasma/serum, tissues and feces in the following areas:

- ▶ Lipid metabolism research
- ▶ Development of triglyceride lowering drugs (e. g. for the treatment of hypertriglyceridemia, fatty liver disease)

Triacylglycerides Assay	LLOQ*	
	Serum/Plasma	Liver
TAGs	6.25 mg/dL	1.00 mg/g

*Lower Limit of Quantitation (LLOQ) varies for each sample type

The panel is for non-GxP testing and is not for diagnostic use

Analysis Method and Instrumentation

1. Enzymatic-colorimetric method (microplate reader)
2. LC-MS/MS (Agilent 1290 UHPLC/Sciex QTrap 5500)

Sample Type and Required Amounts

Sample Type	Sample Requirement
Plasma/Serum	50 - 100 μ L
Tissue	50 - 200 mg
Feces (wet weight)	100 - 200 mg
Others on request	

Contact us to get started
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