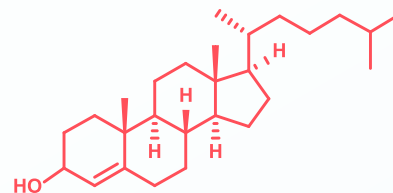




# Oxysterols Targeted Panel



## Oxysterols

Oxysterols—oxidized products of sterols—are bioactive intermediaries that are associated with certain diseases, and further research is required to understand their role in disease pathogenesis. Oxysterols have the potential to influence many conditions from cardiovascular diseases such as atherosclerosis, to Alzheimer's disease, diabetes, and cancer. This suggests that further research and understanding of oxysterols may help to better understand these conditions.

The Metabolon Oxysterol Targeted Panel measures 12 oxysterols and related sterols of biological significance.

## Applications

- ▶ Inflammation
- ▶ Cardiovascular disease
- ▶ Neuroscience
- ▶ Diabetes
- ▶ Cancer

Contact us to get started  
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Analyte	LLOQ*
	Plasma
24-Hydroxycholesterol	10.0 ng/mL
27-Hydroxycholesterol	20.0 ng/mL
Desmosterol	100 ng/mL
7-Dehydrocholesterol	100 ng/mL
8-Dehydrocholesterol	25.0 ng/mL
Lathosterol	200 ng/mL
5 $\alpha$ , 6 $\alpha$ -epoxycholesterol	15.0 ng/mL
4 $\beta$ -Hydroxycholesterol	5.00 ng/mL
Cholesterol	0.125 mg/mL
Lanosterol	10.0 ng/mL
5 $\alpha$ , 6 $\beta$ -Dihydroxycholestanol	10.0 ng/mL
7 $\alpha$ , 27-Dihydroxycholesterol	10.0 ng/mL

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

This panel is for Research Use Only and is not to be used for diagnostic purposes.

### Analysis Method and Instrumentation

LC-MS/MS (Agilent 1290 UHPLC/Sciex QTrap 5500 and 6500+)

### Sample Type and Required Amounts

Sample Type	Sample Requirement
Plasma	>200 $\mu$ L

Others on request.