

Lipid Peroxidation (PerOx) (5106)

Change in Sample Collection Material

Mainz, 02 September 2025

Dear colleagues,

dear members of the medical practice team,

as of **01 October 2025**, there will be a change in the sample collection material required for the analysis of **lipid peroxides (PerOx) (5106)**:

Instead of **serum**, **frozen EDTA plasma** will be required for the analysis.

In line with this change, the reference values for this analysis will be **adjusted** as follows:

New	Old
< 200 µmol/l	< 180 µmol/l

Background:

Recent studies show that frozen EDTA plasma provides greater analyte stability under **various storage conditions** compared to serum. By switching to frozen EDTA plasma, we are optimising pre-analytics, thereby ensuring a basis for even more consistent analysis results.

If shipping frozen material is not feasible, the following test is recommended for analysing lipid peroxidation:

- 8-Epi-Prostaglandin in Urine (7299)

This marker is **particularly informative** when combined with:

- Total Antioxidant Capacity in Serum (5105)

Additional insights into oxidative processes in the body can be obtained through the following analyses:

- Oxidised LDL (oxLDL) in Serum (5414)
- DNA Oxidation (Deoxyguanosine) in Urine (5107)

Do you have any questions or would you like to order sample materials?

Our customer service team is available via email at info@ganzimmun.de or by phone on +49 6131 7205-0, Monday to Friday between 8 a.m. and 7 p.m.

With collegial regards



Dr. med. Patrik Zickgraf
Medical Director