

Lipid Peroxidation (PerOx) (5106)

Change of Sample Collection Material

Mainz, 17th November 2025

Dear colleagues,
dear members of the medical practice team,

As of 1 October 2025, the sample collection material for determining lipid peroxides (PerOx) has changed from serum to **frozen EDTA** plasma. We would like to thank you for your reliable cooperation and understanding during the transition period. With this letter, we would like to remind you once again of this change.

Background:

Current studies show that frozen EDTA plasma offers greater analyte stability under **various storage conditions** compared with serum. By switching to frozen EDTA plasma, we are optimising pre-analytics and thereby creating the basis for even more consistent measurement results.

If shipping frozen material is not feasible, we recommend the following analysis for measuring lipid peroxidation:

- 8-epi-prostaglandin in Urine (7299)

This marker is **particularly informative** when combined with the determination of

- Total Antioxidant Capacity in Serum (5105)

Further insight into oxidative processes in the body can be obtained from the following tests:

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

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

Our customer service team will be happy to help you 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
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