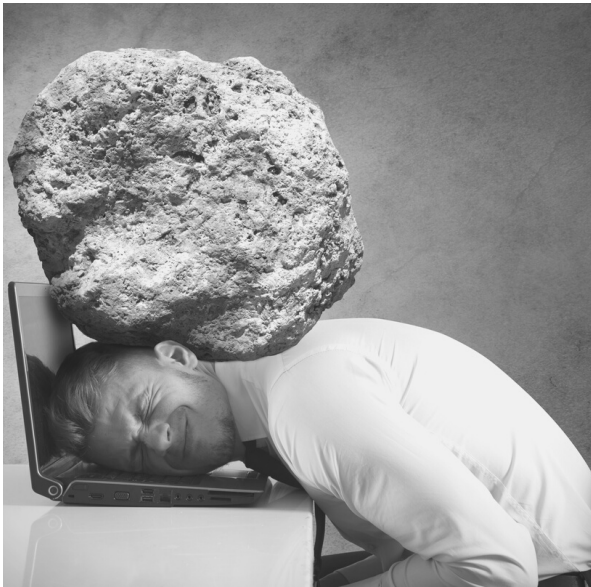


Test kit: Nitrosative Stress

ORY ANALYSIS – URINE TEST



What is nitrosative stress?

Nitrosative stress is an amplified form of oxidative stress and can damage bodily structures and thus lead to a variety of health disorders. Unlike other radicals, nitric oxide (NO) and its derivatives are relatively long-lived and can rapidly penetrate biological membranes.

Nitric oxide is constantly formed in the body from the amino acid arginine and oxygen, where it also has important biological functions.

Triggering factors for nitrosative stress can be:

infections, chronic diseases and inflammations - cervical injuries - foreign substance effects (chemicals, heavy metals) - medication - nicotine - private and/or occupational stress - heavy physical strain

Consequences of nitrosative stress

Nitrosative stress inhibits iron-containing enzymes, influences the synthesis of thyroid hormones and interferes with important detoxification enzymes of the body. Due to the possible inhibition of various messenger substances in the nervous system, NO stress is often found to be closely related to neurostress. Since NO also reversibly inhibits enzymes of the mitochondria, disturbances in energy production in particular are a central problem for the body in this context. Thus, proteins, fats and amino acids can no longer be utilized and the body is forced to increase the activation of energy reserves, which often leads to chronic exhaustion.

TEST INSTRUCTION



CHECK

- Requirement sheet
- Instructions for performance
- 2 urine monovettes (yellow cap) + 2 extension tips (yellow)
- 2 transport tubes + mailing box



TEST INSTRUCTION

- For the test the **second morning urine** is needed (the first morning urine is the urine after getting up, the second morning urine is collected at least 2-4 hours later in the morning - not before!)
- Please use **midstream urine** (Urine is obtained without interrupting urination by having the patient hold the collection cup in the urine stream. This should be filled about halfway). The first and last part of the urine is not collected.
- Then collect 2 urine samples using the enclosed urine monovettes: Remove the small yellow cap from the front of the urine monovette and attach the extension tip to the monovette.
- Use the urine monovette with the extension tip like a syringe and draw urine into the monovette until it is completely filled.
- Remove the extension and throw it in the trash, put the small yellow cap back on the monovette - then break off the white puller of the monovette at the predetermined breaking point to secure the sample
- Insert the filled monovette into the transport tube and close it with the screw cap.
- The monovettes do not need to be labeled, as they are already provided with a barcode containing your data.



PACKING AND SHIPPING

Please put the coded urine tube into the transport tube and this together with the completed request form into the shipping bag and bring it to the mailbox or post office. Shipping envelope does not require postage.

Important note: Please do not ship on Friday (weekend) or before holidays!



Done! You will receive an e-mail when your results are in.