

PREVENTIS *SmartTest*[®]

Ferritin

Home

Feeling tired all the time?



PREVENTIS

The innovative ferritin determination with rapid self-test & app



Preventis SmarTest® Ferritin Home is a combination of rapid self-test and app for the quantitative determination of the iron storage protein ferritin from home.

A small blood sample is taken quickly and easily from the fingertip. After 15 minutes, the result of the rapid self-test can be quantified via the **SmarTest Ferritin** app.

The test can be performed quickly and conveniently from home.

Ferritin, the iron storage protein

Iron is needed for the formation of the red blood pigment hemoglobin, however, in its free form it is toxic to the body. The free iron molecules are bound by the protein ferritin and are thereby stored. Ferritin is present in every cell of the body and is found predominantly in the liver, spleen and bone marrow.

Measuring ferritin content in the blood can indicate an oversupply or deficiency of iron.

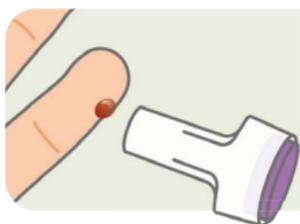
Ferritin is the best marker for detecting iron deficiency at an early stage.

Regular monitoring of the ferritin status is especially recommended for people who are susceptible to iron deficiency or excess:

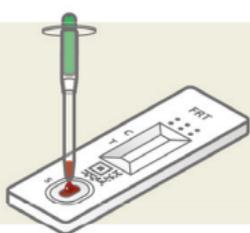
- ✓ vegans/vegetarians
- ✓ people with celiac disease
- ✓ Crohn's disease
- ✓ iron storage disease or liver disease
- ✓ women with heavy menstrual periods
- ✓ pregnant women
- ✓ regular blood donors or athletes.

Testing of iron status is also recommended in case of symptoms such as dizziness, fatigue, reduced ability to perform and concentrate, headache, pallor or weight loss.

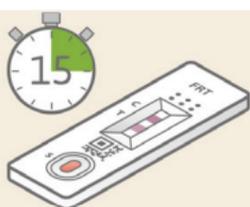
How does the ferritin test work?



Blood sample collection



Sample application to the test cassette



15 minutes incubation time



Evaluation through the **SmarTest Ferritin** app



Your ferritin level is displayed directly on the smartphone

SmarTest Ferritin app



What are the advantages of the rapid self-test?



- ✓ Perform and evaluate directly from home – no waiting for lab results
- ✓ Ferritin determination in a few minutes
- ✓ Blood sample collection from the fingertip
- ✓ Long-term monitoring of your ferritin level with graphical presentation in the app

1. Gao, G. et al. (2019) Cellular Iron Metabolism and Regulation Adv Exp Med Biol 1173:21-32.
2. Chiancone, E. et al. (1980) Ferritin: structural and functional aspects in Radioimmunoassay of Hormones, Proteins and Enzymes, Proc. Int. Symposium. Excerpta Medica Amsterdam 197-203.
3. Knovich, M. A. et al. (2009) Ferritin for the Clinician Blood Rev. 23(3): 95–104.
4. Iron Factsheet for Health Professionals, National Institutes of Health, Accessed on 11/2021.
5. Georgie, M. K. et al. (2020) Iron deficiency in pregnancy Am J Obstet Gynecol 223(4):516-524.



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