Fagron TeloTest

A window to your patient's cellular health

Fagron genomics

www.fagrongenomics.com

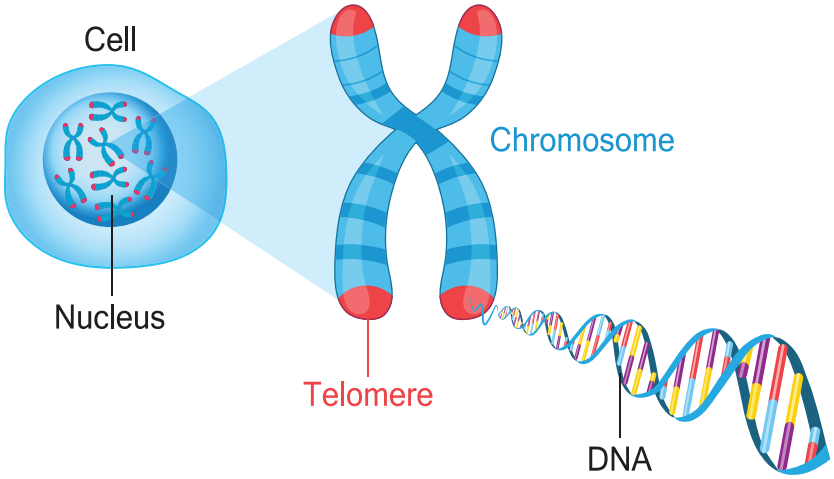
Fagron TeloTest - Telomeric length analysis
A window to your patient's cellular health

Telomeres are protective caps on the ends of the chromosomes that protect them from deterioration or fusion to other chromosomes during cell-division.

As a cells ages, its telomeres become shorter and the speed of telomere shortening may indicate the pace of cellular aging.

Telomere length, shorter than the average telomere length for a specific age group, may be related with early onset of many age-associated health problems, including coronary heart disease, diabetes, increased cancer risk, and osteoporosis[5].

Certain lifestyle factors such as smoking, obesity, lack of exercise, and unhealthy diet can increase the pace of telomere shortening leading to illness and/or premature death[5].



"Telomere length shortening may be slowed when sustained changes are made through nutrition, exercise, stress management and improved sleep[6-7]."

Intended use

Fagron TeloTest is intended to assist health professionals in making specific care decisions regarding the prevention of aging, especially in high yield diagnostic settings, such as suspected cases of short telomere syndromes.

Fagron TeloTest uses an automatized qualitative algorithm that calculates telomere length, infer biological age based on telomere length, interpret result and relevant patient's anamnesis to recommend the most appropriate formulas and advice to delay the effect of ageing in adult male and female population.

Patient's medical history
Fagron TeloTest analyses quantitative data associated with the length of telomeres that tend to shorten with age.

Patient's medical history
Biochemical parameters, pathologies, intolerances, medications, physical activity and habits are also considered for a safe and complete counselling.

How to use Fagron TeloTest?

Fagron TeloTest is an useful biomarker for general aging status or evaluating age or telomere-related diseases. It can be used to assess the benefits of dietary and lifestyle interventions on general cellular health. However, the information provided by this test should not replace medically appropriate tests recommended based upon age or risk factors.

References

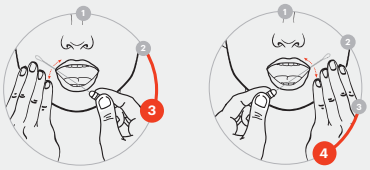
1. Zglinicki and Martin-Ruiz (2005) Telomeres as Biomarkers for Ageing and Age-Related Diseases. Curr. Mol. Med. 5: 197–203.
2. Mather et al. (2011) Is telomere length a biomarker of aging? A review. Journals Gerontol. - Ser. A Biol. Sci. Med. Sci. 66: 202–213.
3. Perna et al. (2013) Epigenetic age acceleration predicts cancer, cardiovascular, and all-cause mortality in a German case cohort. Clin. Epigenetics 8: 1–7.
4. Qiao et al. (2020) The Impact of Health Promotion Interventions on Telomere Length: A Systematic Review. Am. J. Heal. Promot. 34: 633–647.
5. Shammas (2011) Telomeres, lifestyle, cancer, and aging. Curr Opin Clin Nutr Metab Care 14: 28-34.
6. Ornish et al. (2008) Increased telomerase activity and comprehensive lifestyle changes: a pilot study. Lancet Oncol. 9: 1048–1057.
7. Sindi et al. (2020) Telomere Length Change in a Multidomain Lifestyle Intervention to Prevent Cognitive Decline: A Randomized Clinical Trial. Journals Gerontol. Ser. A 76, 491–498.

Fagron TeloTest procedure

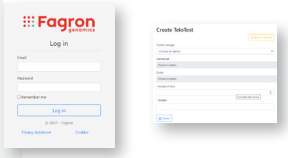
Kit content:

- 1x Swab tube
- 2x Patient consent form
- 1x Instructions
- 2x ID-labels
- 1x Biohazard bag
- 1x Shipping Courier bag

1. Collect the DNA sample according to the instructions.

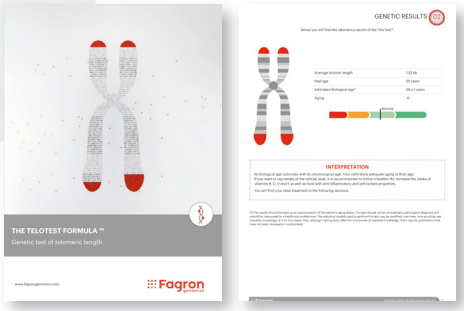


2. Register the kit and complete the patient questionnaire online at www.fagrongenomics.com



3. Send the sample following the process agreed with your sales representative.

4. Results are provided in 4-5 weeks.



Fagron TeloTest report

Once patient's **questionnaire is complete** and genetic data available, **reports** can be **viewed and downloaded** from a **secure personal area**. Our digital healthcare platform **meets the requisite regulatory and data protection** standards.

Report includes:

- Summary of patient characteristics
- Telomeric evaluation and analysis
- Personalized anti-aging formulas

LEGAL DISCLAIMER

Fagron Genomics, S.L.U carries out genetic tests upon request by healthcare professionals, in relation to biological samples from patients obtained by the healthcare professional. Our tests do not replace a medical consultation, nor do they make up a diagnostic or treatment, nor should they be interpreted this way. Only healthcare professionals can interpret the results of said tests, based on their knowledge of the clinical records of the patients and other relevant factors and, under their responsibility, give a diagnostic or prescribe treatment to the patient. We decline all responsibility derived from the use and interpretation of the results of our tests by the solicitant healthcare professional.

Fagron Genomics, S.L.U expressly reserves any legal actions in case of an innapropiate, negligent or incorrect use or interpretation of the results of our tests. It is the responsibility of the healthcare professional who requests a test to guarantee to the patient the appropriate genetic advice as foreseen by Law 14/2007, of 3rd July, of biomedical research. As Fagron Genomics, S.L.U does not have access to the personal identifiable information about the patient from whom the sample comes, it is the responsibility of the requesting healthcare professional to comply with the applicable data protection Laws and regulations.

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