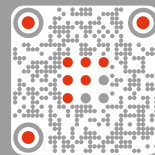




TeloTest™

A window to your patient's
cellular health



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 **GX Sciences**
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TeloTest™ - Telomeric length analysis

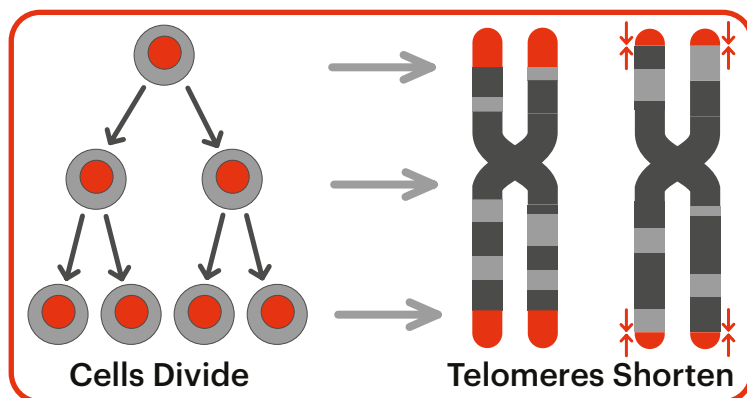
What are Telomeres and why are they relevant?

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 osteoporosis¹.

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 death¹.



“Telomere length shortening may be slowed when sustained changes are made through nutrition, exercise, stress management and improved sleep.”²⁻³

What is TeloTest™?

TeloTest™, lead by the Medical Director of GX Sciences, uses innovative qualitative calculations for telomere length to infer biological age based on telomere length, interpret result and relevant patient's medical history to recommend the most appropriate formulas and advice to delay the effect of aging in adults.

TeloTest™ is intended to assist healthcare 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.

A window to your patient's cellular health

Why use TeloTest™?

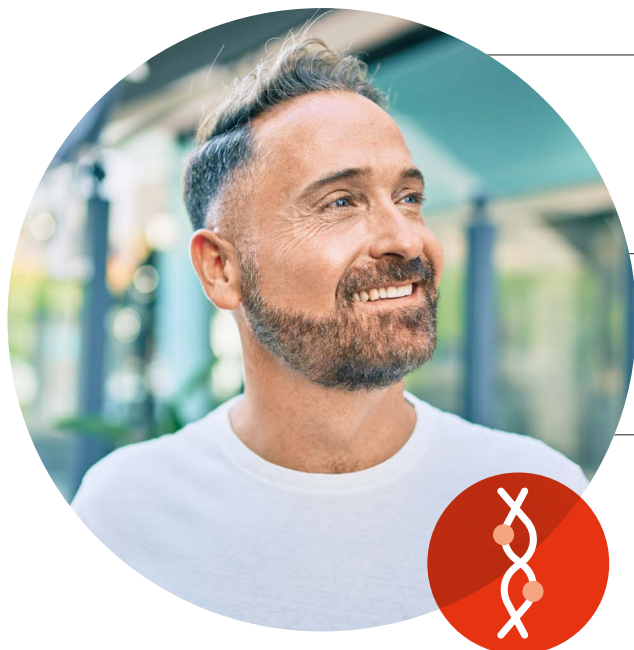
TeloTest™ is a retestable biomarker panel to assist providers in gauging patients' general aging status, evaluating biological age, or telomere-related diseases. It can be used to assess the benefits of dietary and lifestyle interventions on general cellular health. In addition - each provider may find this test resourceful to use after administering other panels offered by GX Sciences as periodic measurements of the effectiveness of those treatment plans to help increase patient compliance in a new and innovative way.



TeloTest™ is indicated to be used by:

- Men and women aged above 30 years old that are concerned about their aging process and looking for solutions to slow it down.
- Patients with family history of early aging or development of medical conditions that contribute to it.
- Patients interested in having a specific and complete follow-up of their aging process during their lifetime.
- Everyone that would like to obtain an effective and personalized anti-aging treatment.

Benefits



• Telomere report and interpretation

You will receive a full yet simple report with your patient's DNA age and interpretation.

• Personalizing treatment plans

Recommended treatments created just for your patient.

• Specialized insight

Have a deeper understanding of your patient's genetic characteristics related to aging, and have insightful measurements of personalizing treatment and lifestyle changes to continue to optimize health & wellness.

TeloTest™ procedure

Kit contents:

- 1x requisition form
- 1x instructions card
- 1x buccal swab
- 1x ID label sticker
- 1x containment bag
- 1x return shipping bag

1. Patient orders testing from their registered healthcare specialist, with direct drop shipping as option.

3. Patient completes in-kit steps & questionnaire online via provided website links on instructions.

5. Results are provided via portal typically in 5-7 business days after receipt of valid sample & forms.

2. Collect gentle cheek swab according to the instructions, either in office or at patient's convenience.

4. Ship the sample & forms to the GX Sciences laboratory via included prepaid return shipping.

6. Consult with the patient on their results and plan, and mention they can retest as often as 6 months.

TeloTest™ report

Results are shared with the healthcare professional through the GX Sciences online portal.

The GX Sciences TeloTest™ report includes:



Summary of
patient
characteristics



Telomeric
evaluation and
analysis



Personalizing
recommendations &
treatment

References

1. Shamas (2011) Telomeres, lifestyle, cancer, and aging. Curr Opin Clin Nutr Metab Care 14: 28-34.

2. Ornish et al. (2008) Increased telomerase activity and comprehensive lifestyle changes: a pilot study. Lancet Oncol. 9: 1048-1057.

3. 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.

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