

Polygenic Risk Score (PRS) for Breast Cancer

Introduction

Polygenic Risk Score (PRS) for Breast Cancer is a cutting-edge genetic tool that estimates an individual's risk of developing breast cancer by analyzing multiple genetic variants. Unlike traditional risk factors such as family history or lifestyle, PRS evaluates a comprehensive set of genetic markers, offering a personalized approach to breast cancer risk assessment.

Key Features

Comprehensive Genetic Analysis

PRS evaluates thousands of genetic variants associated with breast cancer to calculate an overall risk score.

Personalized Risk Prediction

Identifies individuals at high genetic risk for breast cancer, even in the absence of clinical symptoms.

Preventive Healthcare

Empowers early intervention strategies for individuals with elevated PRS scores.

Integration with Traditional Risk Models

Enhances risk assessment by combining PRS with traditional factors like family history, age, and lifestyle.

Non-invasive Testing

Conducted using a simple saliva or blood sample, ensuring ease of access and convenience.

Benefits

Early Detection

Identifies high-risk individuals who could benefit from preventive measures such as increased surveillance or lifestyle adjustments.

Personalized Prevention Strategies

Enables healthcare providers to customize prevention plans, including tailored screening schedules or risk-reducing options like chemoprevention.

Improved Patient Outcomes

Facilitates early interventions to reduce the likelihood of breast cancer development.

Who Should Consider PRS for Breast Cancer?

- Individuals with a family history of breast cancer.
- Women concerned about their genetic risk despite normal traditional risk factors.
- Patients diagnosed with breast cancer who wish to understand their genetic predisposition for secondary risks.



How Does the PRS Test Work?

1. A sample (saliva or blood) is collected.
2. DNA is extracted and analyzed using Next-Generation Sequencing (NGS) to identify relevant genetic markers.
3. A polygenic risk score is generated, reflecting the patient's genetic risk for breast cancer.
4. The results are shared with the patient and their healthcare provider for a personalized action plan.

Why Choose Novo Genomics for PRS Testing?

Cutting-Edge Genetic Technology: State-of-the-art tools ensure the most comprehensive analysis of genetic markers.

Accredited Excellence: CAP, CBAHI, and ISO certifications ensure the highest standards in genetic testing.

Actionable Insights: Results delivered with clear guidance for healthcare providers and patients.

Tailored Prevention and Monitoring

High-Risk Individuals: Custom screening schedules such as earlier mammograms or MRI screenings.

Risk-Reducing Strategies: Lifestyle modifications, dietary interventions, or medical options like prophylactic surgeries.

Contact Us

Novo Genomics is dedicated to empowering individuals with knowledge about their genetic risks. Contact us today to learn more about PRS testing for breast cancer and take proactive steps toward your health.



+966 58 270 6920



www.novogenomics.sa



Prince Muhammad Ibn Saad Ibn
Abdulaziz Rd Al Malqa ,Riyadh



Polygenic Risk Score (PRS) for Prostate Cancer

Key Features

The Polygenic Risk Score (PRS) for Prostate Cancer is an innovative genetic tool that estimates an individual's risk of developing prostate cancer by analyzing multiple genetic variants. Unlike traditional risk factors such as age and family history, PRS provides a personalized genetic risk assessment, enabling earlier detection and tailored screening strategies.

Early Detection: Identifies high-risk individuals who could benefit from earlier and more frequent PSA screenings.

Personalized Prevention Strategies: Enables healthcare providers to create tailored screening plans and lifestyle interventions.

Improved Patient Outcomes: Facilitates early interventions that can help reduce prostate cancer incidence and improve survival rates.

Who Should Consider PRS for Prostate Cancer?

- Men with a family history of prostate cancer.
- Men over 40 years old seeking a more precise risk assessment beyond PSA testing alone.
- Patients with elevated PSA levels but no confirmed diagnosis, looking for further genetic insights.
- Individuals of African or Middle Eastern descent, who may have a higher genetic predisposition to prostate cancer.

Benefits

- **Comprehensive Genetic Analysis:** Evaluates thousands of genetic variants associated with prostate cancer to provide a robust risk score.
- **Enhanced Screening Precision:** Identifies high-risk individuals for earlier and more frequent PSA testing, improving early detection rates.
- **Non-Invasive Testing:** Conducted using a simple saliva or blood sample, ensuring accessibility and convenience.
- **Personalized Risk Prediction:** Helps identify individuals at high genetic risk, even in the absence of traditional risk factors.
- **Integration with Traditional Risk Models:** Complements PSA testing, family history, and lifestyle factors for a holistic risk assessment.

How Does the PRS Test Work?

1. **Sample Collection:** A simple saliva or blood sample is collected.
2. **DNA Analysis:** Advanced genomic sequencing evaluates thousands of genetic markers linked to prostate cancer.
3. **Risk Score Calculation:** A polygenic risk score is generated, quantifying an individual's lifetime genetic risk.
4. **Clinical Interpretation:** The results are shared with the patient and healthcare provider, enabling a personalized risk management plan.



Why Choose Novo Genomics?

Cutting-Edge Genetic Technology:

State-of-the-art genomic tools ensure highly accurate and comprehensive risk assessments.

Accredited Excellence:

CAP, CBAHI, and ISO-certified, guaranteeing the highest standards in genetic testing.

Actionable Insights:

Results delivered with clear guidance for healthcare providers and patients.

Tailored Prevention and Monitoring:

Personalized screening and prevention plans based on each patient's unique genetic profile.

Take Control of Your Health Today!

Ask your doctor about PRS for Prostate Cancer!
Understanding your genetic risk could be the key to early detection and better outcomes.

+966 58 270 6920



www.novogenomics.sa



Prince Muhammad Ibn Saad Ibn Abdulaziz Rd Al Malqa ,Riyadh

