

Pandecta Inc.*The Ultimate Health Analytics:**Because You Deserve More*

Proactive Health Monitoring via Pandecta's Deep Protein Scan

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1. *Who needs the Pandecta test?*

Any person over the age of 18 can take the Pandecta test to get an insight into their current state of health. It's particularly useful for those who want to monitor potential risks for multiple conditions, such as cardiovascular disease, cancer, diabetes, mental health issues, and immune disorders. It's also valuable for people seeking proactive, personalized health insights to guide follow-up with clinical tests or preventive measures.

2. *How long does it take to receive the report?*

Currently, the report is made available between 1 and 3 months.

3. *Does the Pandecta methodology provide absolute measurements of protein biomarkers?*

Pandecta measures the relative abundance of protein biomarkers within individual blood samples as compared to the population average.

4. *What kind of technology is used to measure biomarkers?*

We utilize a global untargeted proteomics approach to assess an individual's health by analyzing thousands of proteins in a single blood sample. Our methodology identifies and quantifies well-known clinical biomarkers, well-established research biomarkers, and other proteins which by themselves may not be considered biomarkers but they are involved in the same biological process. Collectively, these proteins can provide valuable insights into an individual's health status allowing us to assess risk for hundreds of health and wellness conditions.

Our approach focuses on real-time biological activity rather than static genetic information, allowing us to capture dynamic health trends and emerging disease risks. By continuously expanding our biomarker database and refining our analysis



methods, we provide actionable, personalized health insights that can empower individuals and healthcare professionals to make informed decisions.

5. ***What is the difference between genetic testing and Pandecta methodology?***

Genetic testing analyzes DNA to identify inherited risks or predispositions for diseases, providing fixed information about individual's genetic makeup. Identifying predisposition for a disease or a condition, does not mean that this individual will get the disease, many do not, and many of those without certain predispositions will get the disease. Proteins are the molecules that carry out all the biological processes in the body. They are the real "workers" that influence cell function, disease progression, and overall health. DNA analysis looks at the genetic code, which remains largely constant throughout your life. Protein analysis, on the other hand, gives us a real-time snapshot of your body's current state. Since proteins are directly involved in processes like cell signaling, metabolism, and immune responses, their levels change constantly, depending on what's happening in your body at any given time. For example, proteins can indicate inflammation, infections, or early signs of chronic diseases.

6. ***What data is presented in the Patient Report?***

The report contains information on abnormally expressed proteins (compared to population average), potential health risks within several health and disease categories, and recommendations. Recommendations may include contacting healthcare professional (physicians supplement report will be included), and/or potential lifestyle changes the individual in question may take to improve identified 'at risk' conditions.

7. ***Why hasn't this existed before?***

Until recently, the technology involved had not reached sufficient reliability, sensitivity and cost to confidently measure the expression of thousands of proteins within blood samples. The most difficult part, however, is the analysis that is sensitive, specific, and provides actionable insights.

8. ***Is this test covered by insurance?***

Currently, this test is not covered by provincial health insurance (e.g., OHIP) or private insurers, but we are actively working toward coverage in the future. As an emerging technology, our test is not marketed as a diagnostic tool but rather as a risk assessment designed to provide personalized insights into an individual's health profile. These insights can help guide physicians in identifying potential areas for further investigation using standard clinical tests. While insurance coverage is not yet available, we continue to engage with healthcare providers and policymakers to expand accessibility and integration into standard care.

9. ***How are the protein biomarkers selected for the Pandecta test?***

The protein biomarkers for the Pandecta test are selected based on evidence from peer-reviewed research articles and insights from existing clinical tests. This ensures that the biomarkers we focus on are well-studied and have a strong basis in scientific and clinical relevance.

10. ***How often should a Pandecta test be performed?***

The frequency of the Pandecta test would depend on the specific medical context or the physician's guidance. Generally, it



could be performed annually or twice a year to provide ongoing insights that complement other clinical tests, but this would vary based on individual needs and circumstances.

11. ***Where do the Pandecta's individualized insights come from?***

Pandecta's insights come from analyzing thousands of blood proteins and comparing them to research data, clinical tests, and known biomarkers, creating a tailored profile for each individual. With multiple tests over time, it also supports ongoing monitoring to track changes in health and disease conditions and the effectiveness of different interventions to provide deeper insights into individual's health status.

12. ***What is the role of AI and machine learning in analyzing Pandecta test results?***

AI and machine learning play a crucial role in analyzing Pandecta test results by identifying patterns and relationships within thousands of protein data points. These technologies help generate accurate, personalized insights and enable ongoing improvement of the test by learning from large datasets.

13. ***Does Pandecta offer a fee for referral?***

Pandecta does not currently offer a monetary fee for referrals, but we plan to implement a discount structure to provide benefits for referred individuals and those making referrals in the near future.

14. ***Approximately how many markers are we tracking that are known to correlate with different conditions?***

We are continually expanding our database, which currently includes over 450 biomarkers, all derived from established research and clinical data. In addition, we identify patterns across thousands of protein data points to provide more accurate, personalized insights.

15. ***How many other minor ailments and health related markers are we also tracking not included in the above list?***

There are many other markers associated with minor ailments and health-related conditions that fall outside the broader categories we've outlined, such as cardiovascular disease, cancer, diabetes, mental health, neurodegenerative diseases, and immune disorders. Those include proteins associated with neurodegenerative diseases, aging and aging-related diseases, cardiovascular fitness and recovery after injury, and many others. While we are actively refining our approach to ensure comprehensiveness, in the short term we need to ensure that the test remains focused and effective, carefully selecting markers to provide meaningful insights without overwhelming users with excessive data.

16. ***What is the approximate total number of known biomarkers we are tracking?***

Currently, we have ~450 biomarkers in our database.

17. ***What is the approximate total number of proteins we are recording in our raw data for each patient?***

Depending on the patient, we are tracking anywhere from 6000 to 7500 proteins.

18. ***What is a biomarker?***

A biomarker is a measurable substance in your body that gives clues about your health. It can be something in your blood, urine, or tissues that helps doctors understand what's happening inside your body. Biomarkers can indicate how well your



organs are working, if you have an illness, or if you're at risk for a disease. For example, cholesterol levels are a biomarker for heart health, and blood sugar levels are a biomarker for diabetes. They help doctors make decisions about prevention, diagnosis, and treatment.

19. ***What is proteomics?***

Proteomics is a large-scale study of proteins, which are essential molecules in the body that perform various functions. By analyzing proteins, we can gain insights into how the body is functioning, detect signs of disease, and identify potential health issues.

20. ***What is the difference between genomics, transcriptomics, proteomics, metabolomics?***

These fields focus on different layers of biological information to understand how the body functions. Genomics studies DNA, which contains the fixed instructions for building and maintaining the body; your genome generally does not change over time. Transcriptomics examines RNA, the molecules that carry messages from DNA to guide protein production, and proteomics focuses on proteins, which perform most of the work in cells. Metabolomics looks at metabolites, the small molecules produced during chemical processes in the body. Unlike the genome, RNA, proteins, and metabolites can change in response to health, disease, or environmental factors, providing insights into dynamic processes in the body.

21. ***Are protein biomarkers currently used in the clinic?***

Yes, protein biomarkers are widely used in clinical settings to help diagnose and monitor diseases. For example, troponin is a protein biomarker used to detect heart attacks, and PSA (prostate-specific antigen) is used to screen for prostate cancer. These biomarkers provide valuable information to guide treatment decisions and track disease progression.

22. ***Do we have competition?***

Pandecta operates in a competitive space alongside other companies and organizations focused on advanced proteomics and biomarker analysis. However, what sets Pandecta apart is its comprehensive, high-resolution approach—analyzing thousands of protein biomarkers in a single test to provide personalized insights across multiple health conditions. Unlike many competitors that focus on specific diseases or narrow biomarker panels, Pandecta's broad-spectrum analysis enhances sensitivity and specificity, enabling a more holistic view of an individual's health. By integrating risk assessments for hundreds of conditions into one test, Pandecta delivers actionable, data-driven insights that can guide proactive health management—offering a unique value proposition in the field of proteomics.

23. ***How are we different from the competition?***

Pandecta stands out in the field of proteomics and biomarker analysis through its comprehensive, high-resolution approach to health monitoring. While many competitors focus on specific diseases or narrow panels of biomarkers, Pandecta offers a global, untargeted proteomic scan that analyzes thousands of proteins in a single test. Here's what makes us unique:

- **Holistic Health Insights** – Instead of looking at just a few markers, Pandecta examines a broad spectrum of proteins linked to hundreds of health conditions, providing a more complete picture of an individual's health status.
- **Unparalleled Sensitivity & Specificity** – By analyzing thousands of proteins at once, Pandecta increases the precision and reliability of risk assessments, offering more actionable and individualized insights compared to competitors with limited panels.



- **Proactive, Not Reactive** – Unlike traditional diagnostic tests that detect diseases after symptoms appear, Pandecta's approach focuses on early risk assessment and prevention, helping individuals and healthcare providers take action before conditions progress.
- **Integration of Clinical & Research Biomarkers** – Pandecta not only evaluates clinically validated biomarkers but also incorporates emerging research-based biomarkers, expanding its ability to identify early health risks before traditional tests detect them.
- **One Test, Hundreds of Conditions** – Most competitors offer separate tests for different diseases, but Pandecta consolidates risk assessment for cardiovascular health, cancer, diabetes, neurodegenerative disorders, immune system dysfunction, and more into one comprehensive test—saving time, effort, and cost.

By providing a more complete, data-driven, and personalized view of health, Pandecta is redefining how individuals and healthcare professionals approach early detection, prevention, and proactive health management.

We're also continually expanding our database with insights from cutting-edge research, making our test adaptable and forward-looking.

24. *What can this test do?*

This test analyzes thousands of protein biomarkers in your blood in an unbiased, global fashion to provide personalized insights into your health. It can help identify potential risks for hundreds of conditions. While it's not a diagnostic test, it can guide physicians to follow up with clinical tests, monitor health changes over time, and support early intervention.

25. *What this test cannot do?*

This test cannot provide a definitive diagnosis for any specific condition. While it offers insights into potential health risks in an unbiased, global fashion, it is not a replacement for clinical diagnostic tests. It also cannot predict with certainty if or when a condition will develop, as it is designed to guide further investigation rather than serve as a standalone diagnostic tool.

26. *Does it require frequent monitoring?*

Frequent monitoring isn't always necessary, but the test can be repeated periodically, such as annually or twice a year, depending on individual health needs. Regular testing can help track changes over time, providing valuable insights for early intervention or ongoing management of potential health risks.

27. *What is the advantage of frequent monitoring?*

Frequent monitoring allows for tracking changes in protein biomarker levels over time, providing a dynamic view of your health. This can help detect early signs of potential issues, monitor the progression of existing conditions or the effectiveness of applied interventions, and guide timely follow-ups with clinical tests, ultimately supporting more proactive and personalized healthcare.

28. *Is the technology unique?*

The technology itself is not unique, as it leverages established proteomics tools. However, what sets us apart is how we



apply this technology through our expertise and in-house processes. These allow us to extract meaningful insights from the data, integrating thousands of protein biomarkers to provide comprehensive and actionable health information.

29. *How reliable is the test?*

Pandecta's test is highly sensitive and specific, leveraging advanced proteomic analysis to assess thousands of proteins in a single sample. While the test is not a diagnostic tool, it provides valuable, data-driven insights into an individual's health by identifying patterns and risk factors associated with hundreds of conditions. As an emerging technology, our test is continuously evolving and improving, integrating the latest advancements in proteomics, biomarker validation, and machine learning to enhance accuracy and reliability. By combining clinically validated biomarkers with cutting-edge research markers, Pandecta delivers high-resolution health insights that can help guide further clinical investigations. While no single test can provide a complete picture of health, Pandecta's broad-spectrum approach ensures that it captures early risk indicators with greater precision than many traditional screening methods, making it a powerful tool for proactive health monitoring and personalized care planning.

30. *Does elevated risk mean that you have a disease?*

No, an elevated risk does not mean you have a disease. Pandecta's test is designed for risk assessment, not diagnosis. An elevated risk means that certain protein biomarkers in your blood are present at levels that have been associated with a higher likelihood of developing a condition. However, this does not confirm that you currently have the disease—many factors, including genetics, lifestyle, environment, and overall health, influence actual disease development. Pandecta's test provides early warning signals, helping individuals and healthcare providers identify potential areas for further evaluation through clinical tests, medical imaging, or lifestyle modifications. The goal is to empower proactive health decisions so that risks can be managed before symptoms appear or conditions progress. If the test results indicate an elevated risk, we recommend discussing the findings with a healthcare provider for a comprehensive assessment and next steps.

31. *Why is it important for us to collect pre-test medical history?*

Collecting medical history before the test allows us to provide more accurate, personalized, and meaningful insights based on your unique health background. Protein levels naturally change with age, and factors such as pre-existing conditions, medications, lifestyle, and family history can also influence protein levels. Understanding these factors helps us:

- **Enhance Interpretation Accuracy** – Certain biomarkers may be changed due to factors unrelated to disease risk (e.g., age, medications, recent infections, or temporary inflammation). Knowing your medical history helps us distinguish relevant patterns from temporary fluctuations.
- **Provide Personalized Risk Assessments** – Your age, family history, lifestyle, and current health conditions all influence disease risk. Incorporating this information ensures that our test results are personalized, rather than providing a one-size-fits-all assessment.
- **Improve Actionable Insights** – If a biomarker is elevated, but your history shows a known condition that affects it, we can provide contextualized recommendations rather than unnecessary concern. Conversely, if a risk is detected in someone with no prior health concerns, early intervention can be prioritized.
- **Support Long-Term Health Monitoring** – By comparing test results with your medical history, we can track changes over time, helping you and your healthcare provider identify trends that may require further investigation or lifestyle adjustments.



Ultimately, providing medical history helps us deliver a more reliable, precise, and personalized analysis, ensuring that our test results are interpreted within the right clinical and individual context.

32. *What factors contribute to the cost of the test?*

Pandecta's test is a cutting-edge health assessment tool that utilizes advanced proteomic technology to analyze thousands of proteins in a single blood sample. The cost reflects the high complexity, precision, and depth of the analysis, which goes far beyond standard lab tests. Here's why our test is priced higher than conventional health assessments:

- **Comprehensive Analysis** – Unlike routine blood tests that measure a few markers, Pandecta's test examines thousands of proteins, providing a broad-spectrum assessment of hundreds of health conditions in a single test.
- **High-End Technology & Equipment** – The analysis requires state-of-the-art proteomic platforms, including highly sophisticated instrumentation, specialized reagents, and advanced data processing algorithms to ensure high sensitivity and specificity.
- **Personalized, Data-Driven Insights** – The test does not just report numbers; it provides individualized risk assessments based on age, medical history, and biomarker interactions, offering a proactive approach to health management.
- **Continuous Innovation & Improvement** – Proteomics is an emerging and evolving field. Our test is continuously refined with cutting-edge research, biomarker discoveries, and AI-driven analysis, ensuring that we provide the most accurate and up-to-date insights.
- **Not Yet Covered by Insurance** – As this is a novel technology, it is currently not covered by provincial health plans (e.g., OHIP) or private insurers, which means the full cost is borne by the user. However, we are actively working toward future coverage options.

While the test is an investment in proactive health, its ability to provide early risk assessment, intervention strategies, and personalized recommendations can ultimately help reduce long-term healthcare costs by identifying potential health concerns before they become serious medical conditions.

33. *How does it differ from conventional tests?*

This test differs from conventional tests by analyzing thousands of protein biomarkers simultaneously in an unbiased, global fashion. While conventional tests typically focus on a single condition or a small set of markers, our test provides a comprehensive view of health across multiple conditions, such as cardiovascular disease, cancer, diabetes, and immune disorders. It offers personalized insights that can guide further clinical testing and long-term health monitoring.

34. *Can the data be reanalyzed and what can you get from it?*

Yes, we can reanalyze the data when new information/research is available provided that you opted for keeping the identified data on Pandecta's secure server. Reanalysis can identify additional health and disease insights based on new and emerging research data.

