



SKIN PANEL

ADVANCED GENETIC TEST

Drive precision skin regimens with an **innovative laboratory test** designed to **assess 34 genetic factors** that influence skin health

COMPREHENSIVE GENETIC ASSESSMENT

IDENTIFY RISK LEVELS FOR KEY AREAS OF SKIN CONCERN TO GUIDE OPTIMAL CLINICAL ACTION PLANS FOR YOUR PATIENTS

Aging & Appearance	Health & Wellness	Inflammation & Allergies
Sun sensitivity Photoaging Freckling Wrinkling Sagging skin Stretch marks Cellulite Varicose veins	Vitamin D deficiency	Dermatitis Eczema Rosacea Psoriasis Vitiligo Microvascular dermatoses

Risk Levels

Increased Risk		Over the general population, patient may have a higher-than-normal risk of developing this condition.
Moderate Risk		Over the general population, patient may have some risk of developing this condition, but not as much as a patient with "increased risk".
Decreased Risk		Over the general population, patient is most likely not to develop this condition.

PERSONALIZED SKIN PANEL REPORT

	Genetic markers are rigorously verified and validated
	In-depth scientific analysis of over 350 publications in peer-reviewed journals
	Clinician-order only
	Clear, concise, actionable report
	A valuable tool to optimize personalized patient care
	Testing performed in our CAP accredited and CLIA certified lab for the highest level of quality and oversight

SAMPLE SKIN PANEL REPORT



SKIN PANEL REPORT

Patient-specific

Patient Name: Jane Doe	Specimen: Buccal Swab	Accession: XXXXXX
Sex: Female	Ethnicity: Caucasian	Collected: MM/DD/2017
Indication:	Type of Report: (Final, Amended)	Received: MM/DD/2017
Date of Birth: MM/DD/2017	Physician/Location: Doctor/Katy Clinic	Reported: MM/DD/2017

KEY

Risk levels explained

Increased Risk		Over the general population, patient may have a higher-than-normal risk of developing this condition.
Moderate Risk		Over the general population, patient may have some risk of developing this condition, but not as much as a patient with increased risk.
Decreased Risk		Over the general population, patient is most likely not to develop this condition.
Indeterminate Risk		Risk could not be determined with available genetic data.

PREMIER FIT SKIN PANEL

Clinical implications drive treatment regimens

SKIN CONDITION	RESULT	GENES TESTED	CLINICAL IMPLICATIONS
AGING AND APPEARANCE			
Wrinkling		MMP1, STXBPSL	Wrinkling is the formation of lines and creases in the skin that appear as you age and is intensified by sun exposure. Sun protection and avoidance can help reduce wrinkling. If you are at increased risk, possible treatments include anti-aging creams with retinoic acid, chemical peels, laser, Hyaluronic Acid (type of sugar) Fillers and Botulinum Toxin Type A injections.
Cellulite		ACE, HIF1A	Cellulite has the appearance of skin dimpling with raised and depressed areas. For those with increased risk, treatments may include topical medications with retinoids or methylxanthines, liposuction, massage, radiofrequency, ultrasound, laser, and surgery.
INFLAMMATION AND ALLERGIES			
Eczema		FLG, IL13	Eczema appears as an itchy scaly red patchy skin with inflammation. Keeping the skin clean and moisturized, using mild detergents without fragrance, applying topical anti-inflammatory ointments as directed by a physician and avoiding irritants helps reduce outbreaks.
Psoriasis		HLA-C, IL12B, TNFAIP3, TNIP1	Psoriasis is a chronic autoimmune inflammatory skin disease associated with development of recurrent patchy, scaly skin and can be associated with other conditions such as arthritis. Early onset psoriasis is diagnosed in the teens/early 20's and later onset in the late 50's. For patients who are at increased risk, treatment options include topical ointments, phototherapy, and systemic medications (tablets, injections and infusions).
HEALTH AND WELLNESS			
Vitamin D Deficiency		EXOC2	Vitamin D deficiency is low levels of vitamin D in the blood that may be caused by environmental and genetic factors. In persons who have increased risk, Vitamin D levels can be low due to lack of sunlight, eating foods that lack vitamin D and difficulty absorbing vitamin D. Vitamin D deficiency can impact bone health, cancer risk, and immune disorders. Eating foods rich in vitamin D, increasing sun exposure and using vitamin D supplementation may increase vitamin D levels.

*Disclaimer: Patients should always consult their clinician before treatment.

Methodology/Limitations: Testing is performed using Quantstudio 6 or 12k Flex Platform Real Time PCR to analyze variants in 24 genes associated with 17 skin conditions. Variants were selected based upon extensive literature review. The clinical sensitivity and specificity varies by disease and ethnic group. This technology detects only targeted allelic variants. Additional allelic variants in these genes will not be detected. Array based assays detect alleles at analytical sensitivity and specificity >99%. Molecularbased testing is highly accurate, but as in any laboratory test, rare diagnostic errors may occur. **Laboratory Certification:** Premier Genomics is accredited by the College of American Pathologists (CAP) and certified by the Clinical Laboratory Improvement Act of 1988 as qualified to perform high complexity clinical testing. **HIPAA Confidentiality Notice and Disclaimer:** The information in this document is confidential and intended solely for the use of the specific recipient(s) addressed above. To the extent the information in this document contain protected health information as defined by the Health Insurance Portability and Accountability Act of 1996 ("HIPAA"), Pub. L. 104- 191; 45 CFR Parts 160 & 164, and Chapter 181, Texas Health & Safety Code, such information is subject to specific confidentiality requirements and may also be privileged. Do not deliver, distribute, or copy this document, and do not disclose its contents or take any action in reliance on the information it contains.

Methodologies and certifications

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Contact us for pricing and easy implementation in your clinic.