



We offer patients a safe option for finding successful treatments!

What SONOGEN XP provides for patients:

- Preparation and analysis of a patient's genetic profile to ensure that drugs prescribed are well tolerated and effective.
- Recommendations on which medications are most suitable to a patient's genetic makeup and individual metabolism.
- Avoidance of undesirable side effects, or an increase or decrease in the efficacy of a drug or combination of drugs, with the help of the genetic profile.
- Dosing of current and future medications in line with the patient's individual genetic code.



Pharmacogenetics

is the study of how genetics influence the way drugs affect individuals. Its goal is to use genetic analysis to predict patient response to a particular therapy, to prevent adverse drug events and to determine the best possible dose or combination of drugs.



Who can benefit from our offer?

We provide our service for patients who are obliged to take medication frequently and long term, as well as for people for whom a treatment failure or an intolerance can have severe consequences. SONOGEN XP is also suitable for patients who do not tolerate their current treatment. Our service may also be of interest for anyone who wants to analyze his or her pharmacogenetic profile and thus wants to be prepared in case of a medical treatment. The patient would then receive from the very beginning the most suitable medicine with the optimal dose.



Test scope and data security

- Pharmacogenetic testing and the interpretation of its results is limited exclusively to genes relating to the efficacy of medications.
- Under no circumstances SONOGEN XP will establish any connection to a disease or the risk of developing a disease.
- Your results and personal data are your property and will be kept confidential and secure in accordance with applicable law and regulations.



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SONOGEN XP

Choosing medications
– safely



Our genes not only determine our traits but also influence how medications affect us.



The SONOGEN XP mission



Finding the right therapy in advance

Every person is unique. That is particularly true in the field of medicine. What cures one person can be either entirely ineffective or cause serious side effects in another.

This problem is not an isolated incidence – on the contrary: In the case of antidepressants, asthma medications and oral antidiabetic drugs, only some 60 percent of patients respond to these therapies. And these are only a few examples. For Alzheimer's treatments, it is only 30 percent. The source of these statistics lies in factors including our genetic makeup.

Among patients taking the same medications, genetic differences can account for differences in factors such as the systemic concentration of an active ingredient. That happens because the active ingredient is absorbed, distributed, or broken down by everyone's body differently.

SONOGEN XP specializes in personalized medicine: Our vision is to identify a customized therapy for every patient in advance.



The best therapy for every patient

Our genes are not just the source of these differences in the way drugs work: They also provide the key to successful therapies. Pharmacogenetics (PGx) is the study of how an individual's genetic makeup affects drug efficacy.

It involves identifying variable sequences in the genome, which allows us to determine patients for whom certain medications are ineffective or who have a heightened risk of undesirable side effects.

Our SONOGEN XP PGx expert system draws on a pharmacogenetic database with scientific decision-making algorithms. Using the genotyping results, patient information and the prescribed drug, we develop a customized therapy matching each patient's individual profile.



The SONOGEN XP mission: Choosing medications – safely

- 1 Today's therapies work differently for every patient. A successful course of treatment always starts with a personal conversation. The doctor treating the patient explains the procedure in an individual consultation.
- 2 Subsequently, a blood or saliva sample is drawn and analyzed in a laboratory by specialists, and the genetic information is decoded.
- 3 SONOGEN XP then prepares a personalized pharmacogenetic profile (PGx profile) for each patient on which the attending doctor can base the further

course of treatment. The patient's details recorded in the medical history, such as their age, height, their lifestyle and eating habits, and in particular the current or planned medications are also taken into account. This approach minimizes undesirable side effects and increases efficacy at the same time – ensuring a safe treatment.

- 4 We also continue to advise patients throughout their health journey: If their symptoms or diagnosis changes, the treatment will be adjusted – without having to repeat the genotyping process.