



Dear Premium Customers,

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Measures to slow down the epidemic are aimed at saving time in order to maximize availability of limited medical resources available for the groups most at risk. Social distancing and the like are first and foremost a very important act of solidarity and therefore have a high level of relevance for society as a whole.

Whether the individual belongs to the lucky 30% that the virus passes by in the long run depends only to a limited extent on that individual's own behavior and will be more a matter of luck.

But depending on the country where you live, however, whether you belong to the 70% of infected people who have only minor symptoms or indeed none at all is entirely in your hands and rather determined by the efficiency of your immune system.

There are two main factors that decide whether you are optimally prepared:

- 1. How does your immune system respond in the event of an attack?**
- 2. What are your current silent inflammation and inflammaging levels?**

Re point 1: In the case of a virus attack, your immune system needs to respond appropriately in terms of speed and duration as well as composition and quantity of antibodies. If the immune system overreacts, this may have fatal consequences, as has been the case in the great majority of Covid-19 deaths. Autoimmune and time-delayed response likewise have significant consequences for patients contracting this viral disease.

Consequently, we are not talking here primarily about "boosting" the system but rather about the most efficacious response. This might mean inhibiting the system or it might mean stimulating it.

By far the most reliable test to determine the current status of your immune system is the regulatory T-helper cell test. This has been a standard feature of the Salvagene Premium test for some years now and is usually tested twice annually.

Re point 2: The extent to which the overall level of inflammation increases in a SARS-Cov-2 infection is also determined by the individual's existing silent inflammation and inflammaging levels. These need to be combined with the virus-induced inflammation levels. If the silent inflammation levels are high, this is likely to provoke an excessive response from the immune system with fatal consequences for the progression of the Covid-19 infection. Levels of silent inflammation and inflammaging as well as the epigenetic status of the inflammation genes have been continuously monitored in the Salvagene program for some years now.

Taken together with testing of the regulatory T-helper cells and the inflammation inhibitor simulation test for the determination of personal anti-inflammatory substances, these three test panels form the backbone of the artificial intelligence-based system for perfect immunization against current and future viral and bacterial hazards, as will be announced this week by our SARS-CoV-2 Task Force. More about this in our next update.

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