Salvagene GROUP

Business Unit: SARS-CoV-2 Task Force
Keynote: #16

April 2020

Salvagene presents Covid-19 immunization program

NEW!

Dear Premium Customers,

The Salvagene Covid-19 immunization program comprises one of the world's most comprehensive immune testing panels, including the most reliable Covid-19 PCR and Covid-19 antibody tests available, and a program to optimize the immune system with the objective of maximizing immunization capacity.

The optimization of the immune system has been the focus of our research over many years, especially for our Premium program. For anyone who is serious about boosting the state of their health and avoiding illness, it is essential to keep silent inflammation and inflammaging levels as low as possible in line with the principle that "where there is no inflammation, there is no illness".

With the onset of the SARS-CoV-2 epidemic and in light of the forecast by our Covid-19 Task Force that this is likely to continue for many months more, it is a principle that is providing a new and increasingly important focus of our research activities here at Salvagene alongside our long-term work on developing anti-cancer strategies.

Our years of experience in genetics, our knowledge of epigenetics and bioscience, especially immunology, coupled with our skills in A.I. enable us to provide our customers with optimum personalized immunization strategies.

Because our environment is constantly changing, our immune system has to continuously adapt to the shifting conditions. Events such as the sudden onset of allergies or autoimmunological reactions also determine how the immune system responds in case of infection. Which strategy (e.g.inhibiting or stimulating?) is the best way to optimize the immune system will depend not only on the individual but also on the timing of any test. The only thing that is permanent is change itself.

The current (10/04/20) data – especially from South Korea, the UK, central Italy, northern France, Singapore and the southern states of the USA, where the second wave of Covid-19 is already being registered – suggest partly severe and highly unpredictable developments, especially hemophagocytic syndrome(HPS) where patients have a low Covid-19 antibody status from the initial infection.

Consequently, continuous and comprehensive monitoring and also of Covid-19 antibody status and adjustment of optimization measures is essential for the optimal defensive response from your immune system. So that we can interpret your results with the Salvagene A.I. Program, all tests are performed by our own laboratory.

The Covid-19 immunization program comprises the immune panel previously forming part of the Premium program together with now significantly expanded modules in epigenetics, A.I. components, risk calculations for possible Covid-19 complications and various Covid-19 tests (PCR and antibody) with a protocol for immunization.

It consists of the following elements:

1.) Genetics with reference to immune response (already tested with Premium customers)

CHD13, CHDS8, APOA5, PON1, PON1, APOB, SREBF2, NOS3, APOA1, MTRR, MMP3, GJA4, ITGB3, CETP, MTHFR, APOE, APOE Type, NOS1AP, Factor-V, Factor-II, PA I1, AGT, ADRB1, GNB3, CYP1A1, CYP1B1, GSTM1, GSTT1, GSTP1, SOD2, GPX, NQO1, COMT, CYP1A2, TCF7L2, HIGD1C, HHEX, IL6, IL10, FTO, PPARG, KCNJ11, NOS1AP, APOE, APOE Type Col1A1, VDR, ESR1, LCT, TNFa, IL1a, HLAD Q2.5, HLA DQ8, LCT, NOD2, NOD2, NOD2, LOXL1, HTRA1, CFH, LOC387715, IL1RN, IL6, IL1A, IL1 Beta, TNFa CYP2D6, CYP2C9, VKORC, Cyp2C19, NAT2, CYP2A4, CYP2E1, CYP1A2, NOS1AP FABP2, PPARG, ADRB2, ADRB2, ADRB3, FTO, APOA2, APOA CDH 13, CHD S8, APO A5, PO N1, AP OB, SRE BF2, NO S3, APO A1, MTRR, MM P3, GJ A4, ITG B3, CE TP, MTH FR, AP OE, APOE, ACTN3, ACESNP, NRF-2, VEGF, ADRB2, CR

2.) Epigenetics basic panel (already tested with Premium customers).

3.) Silent inflammation and inflammaging panel (already tested with Premium customers),

including Crp, Il-6, IL-10, Lipid Per OX, ADMA, Lipo A, oxidative status, fatty acid profile

4.) Immune system response test, T-helper cells (already tested with Premium customers),

cellular immune status standard, lymphocyte subpopulations, T-lymphocyte subpopulations, stages of maturity of T-cells.

5.) Inflammation inhibitor simulation test by means of LPS simulation with 70 different inflammation inhibitors (already tested with Premium customers).

6.) Epigenetics Panel Inflammation (new).

Hematopoietin: IL-2, IL-3, IL-4, IL-5, IL-7, IL-9, IL-11, IL-12, IL-13, IL-15,

erythropoietin (EPO), thrombopoietin (TPO),

leukemia inhibitory factor (LIF), G-CSF, GM-CSF

7.) Methylation panel inflammation (new)

Interferon receptor family, receptors for IFNa/b, IFNg, IL-10

TNF receptor family (death receptors), receptors for TNFα, TNFβ, FasL,

CD27, CD30, CD40 (trimeric receptors)

Immunoglobulin (Ig) superfamily receptors,

receptors for IL-1a, IL-1b (and also BCR, TCR, MHC etc.)

tyrosine kinase receptors,

receptors for M-CSF, SCF

Ras/Raf pathway

Jak/STAT pathway

serine/threonine receptors, receptors for TGFβ incl.

chemokine receptors (7TMHR)

SARS-CoV-2/Covid-19 specific tests

We use the most reliable information currently available

8.) Current risk assessment for Covid-19 complications (new)

Your Salvagene Covid-19 Risk Factor is calculated by the Salvagene Artificial Intelligence Program. S.A.I.P. is working steadily in the background to process the data we have on you and to collate it with international databases on Covid-19. It is important to note that the more data you provide, the more regularly it is collected and the more up-to-date it is, the more accurately S.A.I.P. can determine your personal Covid-19 Risk Factor. In contrast to the Salvagene GIX Score, which calculates the current level of spent health potential, the Salvagene Covid-19 Risk Factor also processes external data.

9.) Covid-19 Antibody Test (new)

The antibody analysis shows whether antibodies (and in what strength) are present in the blood of the test subject. If this is the case, the patient has been infected with SARS-CoV-2 in the past. Usually, antibody formation begins about two to eight days after the first symptoms appear.

Because of the risk of 2.infection mentioned above, monitoring makes a lot of sense here.

10. Covid-19 PCR (new). Optional only upon explicit request

The PCR test is used to detect an existing infection with SARS-CoV-2. The procedure is very accurate and usually provides reliable results just one day after infection. Whether the patient shows symptoms of COVID-19 disease is irrelevant for the validity of the PCR analysis.

11.) (new) Personalized program based on the above tests, with recommendations for the continuous optimization of your immune system and boosting immunization capacity.

Sampling: Premium customers can carry out the new modules by means of capillary blood (droplet form) and saliva swab. This takes only a few minutes and can be done very easily at home.

Please contact your Salvagene Consultant to make arrangements for dispatch of the test kit.

Playing our part: Salvagene to provide free laboratory capacity for SARS-CoV-2 testing.

To make our contribution to overcoming the current crisis, we have decided to create extra capacity for 100,000 Covid-19 tests per month to be made available to the general public.

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