

The Urine Th1/Th2 Balance Test Kit (UBT)

Description:

The Urine Balance Test aims at detecting alterations of the Th1/Th2 balance. Modulation of the Th1/Th2 balance may affect the susceptibility to, or the outcome of infections, allergic diseases, auto-immunity, cancer and other deleterious conditions. The UBT test may detect disturbances of this delicate equilibrium in time in order to restore balance whenever required and before irreversible conditions are developing. The test allows patients to follow-up on Th1/Th2 balance during therapy and to evaluate whether the treatment he or she is undergoing is really effective. In addition the test also provides a tool to check the effectiveness of over the counter sold products claiming to balance Th1/Th2 status such as: anti-oxidants, probiotics and other. Thus far Th1/Th2 profiles can only be determined in specialized laboratories. These analyses are blood-based and practically are hard to be performed repeatedly over short periods of time. In summary, the UBT test is a simple "self-test" allowing to determine personal Th1/Th2 profiles repeatedly over short time periods and to follow-up on the effect of therapy, intake of drugs and nutraceuticals or any other strategy to balance Th1/Th2 states.

Storage

The kit is stable at -18°C up to 3 months after purchase.

The test is a research test only

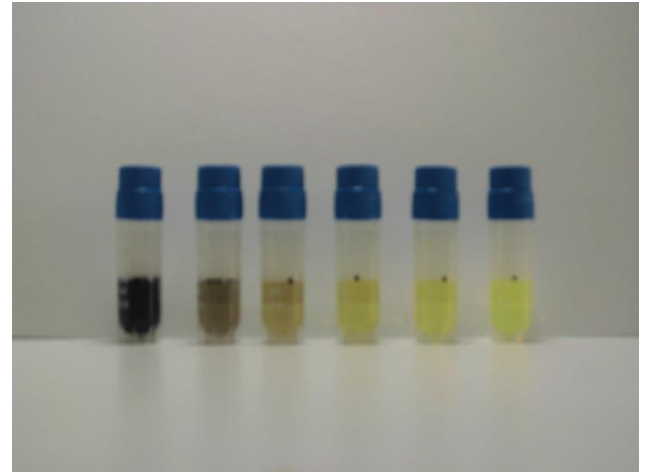
The test has not yet been approved as clinical diagnostic test, and should be considered as "research use only". Interpretation of the results should be done by a health care professional.

Reference:

Self-test monitoring of the Th1/Th2 balance in health and disease with special emphasis on chronic fatigue syndrome/myalgic encephalomyelitis. *Journal of Medical Laboratory and Diagnosis* Vol. 3(1), pp. 1- 6, February 2012.

1. Open container with the collected urine.
2. Take a small volume of urine with the plastic dispensing tool and add it to the small recipient containing the yellow colored liquid and fill up to the black mark (dot). Close and mix gently by turning upside down.
3. Observe color change exactly after **3 minutes** and compare to the reference colors (Fig).

Note! Color change after longer incubation is not valid for interpretation.



Far Th2 Th2 Balanced Th1 Far Th1

Fig. Change of color (darkening) is proportional to the extent of Th2-shifted immunity. No color change at all within 3 minutes corresponds to a Th1-shifted condition. Th0 (slight color change) refers to a balanced Th1/Th2 status.