

DMPS TEST

This test measures the total body mercury burden.

THE TEST

DMPS, 2,3 di-Mercapto-1-Propane-Sulphonic acid sodium salt, is an oral chelating agent. It forms complexes with toxic metal ions, which are readily excreted in the urine. DMPS has been shown to be capable of inducing mercury urinary excretion which is proportional to the total body burden.¹

TEST INDICATIONS

Illnesses with a suspicion of mercury exposure as a precipitating or aggravating factor, such as:

- | | | |
|----------------|---------------------|-----------------------|
| - Anemia | - Gastro-intestinal | - Memory impairment |
| - Anorexia | disturbances | - Moodiness |
| - Depression | - Headache | - Parkinson's disease |
| - Dermatitis | - Hypertension | - Periodontal disease |
| - Diarrhea | - Immune depression | - Weakness |
| - Excitability | - Insomnia | |
| - Fatigue | - Irritability | |

COMPLEMENTARY TESTS

Nutrients and most significant of these the trace element **selenium**, can aid the body in the detoxification of mercury. Measurement of the concentration of **trace minerals** and **anti-oxidants** i.e., lipoic acid is recommended with mercury exposure.

The DMPS test measures total body mercury burden. In order to identify dental amalgam as a possible cause of elevated mercury, it is advisable to do a **mercury in saliva test**.

LITERATURE

- Hibberd AR et al. Mercury from dental amalgam fillings: studies on oral chelating agents for assessing and reducing mercury burdens in humans. *J Nutr & Environm Med* 1998 8 219-231.
- Cerian et al. Estimation of mercury burden in rats by chelation with dimercaptoprocane sulphate; *J. Pharmacol. Exo. Ther.* 1988;245, 479-84.
- M. Godfrey et al. Confirmation of Mercury retention and toxicity using 2,3-dimercapto-1-propane-sulphonic acid sodium salt (DMPS); *J. Adv. Med.* Vol 7 (no 1), spring 1994: 19-30
- M.R. Werbach. *Nutritional Influences on Illness. A sourcebook of clinical research.* Second edition, Third Line Press, Tarzana, California. ISBN: 0-9618550-3-7.

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