

What is Clifford Materials Reactivity Testing?

Clifford Materials Reactivity Testing (CMRT) is a laboratory screening process used to help identify existing sensitivity problems to various chemical groups and families of compounds in an individual patient. This process is currently being implemented in the CMRT Dental Test. After a patient's test has been completed, the patient's reactivity test results are compiled in a report. We are currently reporting on over 17,100 trade-named dental products and 96 chemical groups and families. We have also added a Orthopedic panel reporting on over 7,661 trade-named products for surgical applications.

In modern society we come in contact with many substances every day in the food we eat, the products we use and the treatments we receive.

Because each of us possesses a unique biochemistry, these substances effect each of us differently and in varying degrees. For some, the effects of certain substances (and their corrosion byproducts) can be toxic and hazardous, and may result in serious health problems. A substance which causes little or no reaction in one individual can prove harmful to another.

Since these effects may vary in each of us, it is vital that these factors be considered when choosing dental and other materials for use in the body, especially in patients with special or unique health concerns.

Clifford Materials Reactivity Testing (CMRT) provides dentists and physicians with extensive information about their patient's individual sensitivities so that least offensive materials can be chosen and used in their treatments

CMRT is not merely based upon the body's response to biomaterials themselves, but also upon response to corrosion byproducts of those materials. These byproducts are generated at various rates as the materials decompose or break down in the body. It is these products of decomposition that the body must deal with and which are most likely to cause untoward health effects and toxic conditions. The body produces systemic antibodies against challenging antigens and will maintain an immunologic record of the components or chemical families which have proven offensive and which can be observed by CMRT.