

# DENTAL MATERIALS BIOCOMPATIBILITY

This is probably *the most controversial* issue in dentistry. The American Dental Association, dental colleges, and the majority of dentists firmly and honestly believe that the materials used to restore decayed tooth structure and to replace missing teeth are basically inert and do not affect the body's physiology, except in rare situations. However, the criteria has been for the material itself rather than the person or animal into which it is implanted. The criteria used is if the material will be strong enough to withstand the great forces of chewing (often 300-400 pounds per sq. inch), if it will look natural whenever possible, and if it is easy to work with for both the dentist and the dental laboratory. These criteria obviously must be observed if dental treatment is to last a reasonable amount of time.

*But*, what if these materials are not inert and cause some people to have autoimmune dysfunction and chronic illness? What if these materials can block energy flow through the acupuncture meridians? What if dental metals create small electrical currents in the mouth (known as oral galvanism and measured in microamps) that are disruptive to the nervous system? And if it were a problem for people, is it for all people or just some? Does it have a major or minor effect? Is the effect immediate or delayed? Does it produce overt symptoms or is it subclinical? Which *then* would be more important . . . a dental material that is highly durable or a body that functions optimally? Because of these concerns and potential side effects, some patients want to know what materials are being used, and given the option to choose different materials or different treatment.

How does a person determine what materials are potentially least reactive or disruptive? That is also controversial, but common tests that I am aware are:

1. Blood Serum testing - Immunoglobulin challenge at a cellular level by laboratory method
2. Energy testing - Measuring energy flow disruption
  - Electrodermal Screening
  - Kinesiology
  - Intuition
3. Provocative testing - Place or bond a piece of the material in your mouth or skin to see if a reaction occurs over a specified period of time

No test or tester is infallible, and some people combine results from more than one test. Others who are not concerned with possible reactions to dental materials choose no testing at all, and instead use a material that statistically has low reactivity. Also, please realize that testing for dental materials biocompatibility is totally different from testing for metals detoxification of the body's cells.

I offer names of facilities and practitioners who are knowledgeable in the area of dental materials biocompatibility testing. Understand that by providing these names, my only intent is to enable you in contacting other people who may be able to help you. I do not endorse or recommend any particular treatment or practitioner because I strongly believe that it is in the patient's best interest to understand their unique health problems in order to choose the most appropriate practitioner and treatment (or no treatment) for them at that particular moment in time, and because some treatments are considered controversial and not the standard-of-care in conventional dentistry and medicine. Although this list contains names of people I have met and/or talked to about this subject, this list is not meant to be an exclusive list nor an endorsement because it is not possible for me to know of everyone experienced in this area of healthcare and their qualifications. It is your responsibility is to call these practitioners and ask questions. If I can be of further help, do not hesitate to call.

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- A. **BLOOD SERUM** testing - Immunoglobulin challenge at a cellular level by laboratory method

**Laboratory kits** can be obtained from Dr. King or:

1. Clifford Consulting and Research, Colorado Springs, CO, Phone: 719-550-0008
2. Scientific Health Solutions, Colorado Springs, CO, Phone: 800-331-2303

NOTE: S.H.S. requires a **10-hour fast** before the blood draw

**Blood specimens** can be drawn and must be sent overnight delivery by:

1. Methodist Hospital, St. Louis Park, MN, Phone: 952-993-6183  
M-Th (make sure the next day is NOT a holiday), 6:30 – 2:30 (to allow packaging and sending overnight delivery), first go to “**Outpatient Admitting**” on the 1<sup>st</sup> floor in the **hospital** (bring a written prescription from Dr. King, a laboratory test kit, a check or credit card for the blood draw, another check or credit card # to be sent along with the test kit, and medical insurance information), then go to the “**Outpatient Lab**” in the Cancer Center on the ground floor in **Meadowbrook Medical Bldg.**

B. **ENERGY testing** – Utilizing a Dental Materials Test Kit to measure energy flow disruption

1. Electrodermal Screening

- Peg Bauwens, St. Paul, MN, Phone: 651-645-5084
- David Eide, N.D., Edina, MN, Phone: 952-941-1919
- Michael P. Kelly, St. Louis Park, MN, Phone: 952-920-0044
- Dennis Lenselink, D.C., Bloomington, MN, Phone: 952-835-6653
- Daryl Metcalf, D.C., Edina, MN, Phone: 952-835-0096
- Kate Sloan, St. Louis Park, MN, Phone: 612-308-2062

2. Kinesiology

- Lea Casperson, D.C., Eagan, MN, Phone: 651-452-3900
- Gary Hulin, D.C., D.D.S., Minnetonka, MN, Phone: 952-833-3038
- Warren King, CAc, Minnetonka, MN, Phone: 952-930-3575
- Jed Krauss, D.C., St. Louis Park, MN, Phone: 952-345-8244
- Carol Lipschultz, D.C., St. Paul, MN, Phone: 651-644-9691
- Richard Mayfield, D.C., Bloomington, MN, Phone: 952-885-0822

C. **INTUITIVE testing** (no test kit needed)

- Beth Gustafson, Braham, MN, Phone: 320-396-0328
- Jane Staley, N.D. (surrogate testing), Chicago, IL, Phone: 630-497-1458

**A limited number of Dental Materials Test Kits are available for energetic compatibility testing for a rental fee. This fee allows us to update and maintain the kits. Please do not keep it longer than 1 week. Loss or failure to return a kit will result in a replacement charge of \$300.**

*This information is provided for educational purposes only, and should not be considered a recommendation for any particular treatment, product, or philosophy. You have the sole responsibility to examine the benefits and risks of available options and decide what treatment, if any, is to be rendered. The First Amendment of the U.S. Constitution grants the right to discuss openly and freely all matters of public concern, and to express viewpoints no matter how controversial or unaccepted they may be.*

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