

## Clifford Materials Reactivity Testing Test Summary - At A Glance

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**PURPOSE:** Screening procedure to determine existing reaction with components of dental and orthopedic restoratives, irrespective of initiating source; facilitate selection of least offensive restorative products for individual patients

**TEST BASIS:** Passive antibody detection by precipitin method, present at or above a relevant threshold to eliminate noise effects from casual contact

**TARGET ANTIBODY CLASSES:** IgG, IgM

**ANTIGENS:** 94 chemical groups and families of compounds

**REQUESTED SPECIMEN:** 2-3ml separated serum; plasma can be used if necessary

**RELIABILITY:** >95% on sequential multiple specimens

**PRECISION:** >97% on multiple aliquots from same specimen

**DETERMINATION OF PRODUCT SUITABILITY:** Based upon material components in dissociable, ionizable, releasable, bio-available or bio-convertible form

**REPORTING:** Positive or negative determination for 94 basic chemical groups and families of compounds; correlation of findings with more than 17,204 dental restorative trade name products in 37 application categories, and more than 10,427 orthopedic restorative trade name products in 34 application categories, arranged both categorically and alphabetically.

**CONTRAINDICATIONS:**

- (1) Severe immune incompetence which precludes normal generation of antibody
- (2) Heavy long-term immuno-suppression by medication or otherwise
- (3) Universal reactor status wherein reactions do not involve normal antigen processing cascades and antibody generation
- (4) Restricted usefulness in children without a mature immune record
- (5) Hyper-active non-specific immunoglobulin generation

**FALSE POSITIVES:**

- (1) Crossover between haptens (especially metals)
- (2) Hyper-reactive serum proteins lacking specificity
- (3) Long-term specimen holding without adequate refrigeration/freezing
- (4) Microbial overgrowth

**FALSE NEGATIVES:**

- (1) Antibody titers below detection limits
- (2) Onset of high tolerance to immunogens
- (3) Failure to process antigen and induce systemic antibody

**LAB FEE:** \$310.00 USD United States / \$ 320.00 USD Canada payable with specimen submission, includes shipment to and from lab if CCR- provided forms and documents are used; For International Fees, including shipping, please contact Customer Service

**THIRD PARTY PAYMENT:** Private-pay only. Medicare opt-out makes CCR services ineligible for Medicare submission / submission for rejection. Lab does not process third-party payment forms and does not accept assignment. Receipt for payment, with appropriate CPT codes, accompanies reports for those seeking third-party reimbursement other than Medicare / Medicaid / Tri-Care, etc. Signed ABN for ALL patients is required for processing.