

Clifford Materials Reactivity Testing Test Summary - At A Glance

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) Hyperactive 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: Payable with specimen submission, includes shipment to and from lab if EAB-supplied shipping materials are used; For International Fees, including shipping, please contact EAB Client Services.

THIRD PARTY PAYMENT: Private-pay only. Medicare opt-out makes EAB 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.