

Please read the instructions and complete the Requisition form prior to collecting blood.

1. Choosing metals

The testing panels on the Requisition form (on page 2) are common combinations of metals used in alloys in dentistry and orthopaedics. However, you may need to check with your healthcare professional for the exact metal content of a device or implant. Even if your symptoms only began, or worsened, after a new device/implant was added, it is recommended to test for your total metal exposure. Multiple metals may increase corrosion, leading to a heightened immune response. You can create a personalized testing panel by selecting metals in the "Individual testing" section. *Please note:* Antigens marked with * have been developed for research purposes only. The clinical relevance of a positive result to these substances has not been established.

2. Medication & health

MELISA testing measures an immune response. Any drug that suppresses the immune system may affect test results. Certain medication, such as steroids, must be avoided for 3 weeks to ensure accurate results. For a list of medication and factors that may affect testing, see melisa.org/medication. If testing shows that your cells are not responding properly because of medication taken, a reduced fee will be charged. If it is not possible to separate enough lymphocytes from your blood, the laboratory will prioritize the most frequently allergenic metals, based on your stated exposure and reason for testing.

3. Blood draws

Blue top citrate tubes

- For 1-3 metals use 2 tubes
- For 4-6 metals use 4 tubes
- For 7-10 metals use 5 tubes
- For 11-15 metals use 6 tubes
- For 16-20 metals use 7 tubes

Keep at room temperature. Do not centrifuge, do not chill.

Red top serum tube

- One 9 ml red top serum tube is required for autologous serum. If possible, spin the tube for 10 minutes at 1800 - 2200 rcf/g and keep at room temperature.

4. Shipping

Blood should be sent via FedEx on Mondays, Tuesdays and Wednesdays only, arriving max 48 hours after blood is collected. Please check for information about public holidays in Germany before shipping: melisa.org/calendar
Ship the blood sample and the completed Request form to:

Invitalab, MELISA Department
Stresemannallee 4b
414 60 Neuss
Germany
Phone +49 2131 125 9690

5. Cost of testing

Costs are calculated based on the total number of metals tested.

If multiple panels are selected, duplicate metals will only be tested and charged once.

1-5 metals	\$440	13-17 metals	\$590
6-9 metals	\$480	18-20 metals	\$650
10-12 metals	\$530	over 20 metals add \$20 per metal	

Kit fee \$40 **Transport by FedEx** approx \$100

6. Payment & Results

You will be invoiced 2 weeks after your sample arrives at the lab. Payment can be made online through PayPal via credit card. Results cannot be released until payment is received.

7. Queries

If you have any questions about the testing procedure or about your test results, please contact us on info@melisa.org or +1 636 552 9637.

Requisition form: MELISA[®] metal allergy testing



Complete and include with blood sample. See previous page for Guide to testing.

Patient	Name	Date of birth			
	Address				
	Post code				
Clinic	Email	Tel			
	Prescriber	Clinic			
	Address				
	Post code				
Sample collection	Email	Tel			
	Date of blood draw	MM / DD / YYYY	Collection time	HH : MM	
Sample collection	Send results to			<input type="checkbox"/> Clinic <input type="checkbox"/> Patient	
	Please check to confirm that you understand: 1) Immuno suppressants, such as steroids, must be avoided for 3 weeks to ensure accurate results. Systemic infection may also affect the results. 2) After blood is collected, it must be delivered to the lab within 48 hours, or cells will not be viable. 3) If not enough blood is sent, it's possible that not all substances requested can be tested. Priority will be given to metals mentioned in the box below. <input type="checkbox"/>			Invitalab laboratory label here (do not fill)	
Health	Reason for testing and/or current metal exposure:				
Dental panels	<input type="checkbox"/> A Amalgam fillings • 5 metals • \$440 Copper, Inorganic mercury, Nickel, Silver, Tin		<input type="checkbox"/> D Amalgam & crowns • 20 metals • \$650 Beryllium, Cadmium, Cobalt, Copper, Chromium, Gallium, Gold, Indium, Inorganic mercury, Iridium, Manganese, Methylmercury, Molybdenum, Nickel, Palladium, Platinum, Ruthenium, Silver, Tin, Tungsten		
	<input type="checkbox"/> B Non-noble crowns • 7 metals • \$480 Beryllium, Cobalt, Chromium, Manganese, Molybdenum, Nickel, Tungsten		<input type="checkbox"/> E Titanium implant • 5 metals • \$440 Aluminum, Nickel, Titanium dioxide, Titanium sulphate, Vanadium		
Orthopaedic panels	<input type="checkbox"/> C Noble or gold crowns • 8 metals • \$480 Gallium, Gold, Indium, Iridium, Palladium, Platinum, Ruthenium, Silver				
	<input type="checkbox"/> F Cobalt Chrome / Stainless steel • 6 metals • \$480 Chromium, Cobalt, Manganese, Molybdenum, Nickel, Tungsten		<input type="checkbox"/> I Spinal implants • 12 metals • \$530 Aluminum, Chromium, Cobalt, Nickel, Niobium, Manganese, Molybdenum, Tantalum, Titanium dioxide, Titanium sulphate, Tungsten, Vanadium		
Orthopaedic panels	<input type="checkbox"/> G Titanium / alloy / Nitinol • 6 metals • \$480 Aluminium, Nickel, Niobium, Titanium dioxide, Titanium sulphate, Vanadium		<input type="checkbox"/> J Surgical pre-test • 15 metals • \$590 Aluminum, Beryllium, Chromium, Cobalt, Manganese, Molybdenum, Nickel, Niobium, Tantalum, Tin, Titanium dioxide, Titanium sulphate, Tungsten, Vanadium, Zirconia*		
	<input type="checkbox"/> H Oxinium • 4 metals • \$440 Chromium, Niobium, Tin, Zirconia*				
Individual testing	<input type="checkbox"/> Aluminum (Al) <input type="checkbox"/> Antimony (Sb) <input type="checkbox"/> Beryllium (Be) <input type="checkbox"/> Bismuth (Bi) <input type="checkbox"/> Cadmium (Cd) <input type="checkbox"/> Calcium titanate <input type="checkbox"/> Chromium (Cr) <input type="checkbox"/> Cobalt (Co) <input type="checkbox"/> Copper (Cu)	<input type="checkbox"/> Ethylmercury <input type="checkbox"/> Gallium (Ga) <input type="checkbox"/> Gold (Au) <input type="checkbox"/> Indium (In) <input type="checkbox"/> Inorganic mercury (Hg) <input type="checkbox"/> Iridium (Ir) <input type="checkbox"/> Lead (Pb) <input type="checkbox"/> Manganese (Mn) <input type="checkbox"/> Methylmercury	<input type="checkbox"/> Molybdenum (Mo) <input type="checkbox"/> Nickel (Ni) <input type="checkbox"/> Niobium (Nb) <input type="checkbox"/> Palladium (Pd) <input type="checkbox"/> Phenyl mercury <input type="checkbox"/> Platinum (Pt) <input type="checkbox"/> Ruthenium (Ru) <input type="checkbox"/> Silicon dioxide <input type="checkbox"/> Silver (Ag)	<input type="checkbox"/> Tantalum (Ta) <input type="checkbox"/> Thimerosal <input type="checkbox"/> Tin (Sn) <input type="checkbox"/> Titanium dioxide <input type="checkbox"/> Titanium sulphate <input type="checkbox"/> Tungsten (W) <input type="checkbox"/> Vanadium (V) <input type="checkbox"/> Zirconia (ZrO ₂)*	Others* <input type="checkbox"/> Candida <input type="checkbox"/> Casein <input type="checkbox"/> Gluten Methacrylates* <input type="checkbox"/> MMA <input type="checkbox"/> HEMA <input type="checkbox"/> TEGMA <input type="checkbox"/> EGMA
	Prices for multiple panels / individual substances: see Guide to testing (page 1)				

* Clinical relevance of positive tests not established