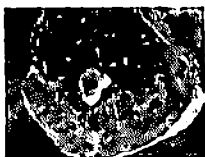




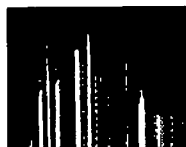
Hi-Tech, non-invasive Analytical Scanning Electron Microscopy



EXATEST
Testing For Vital Minerals In The Cell:



Office based 60 seconds specimen collection



Research & References

Mineral Electrolytes in Cardiology

EXATEST™

IntraCellular Diagnostics, Inc.™

INTRACELLULAR MINERAL ELECTROLYTE ANALYSIS

Intracellular test panel includes all ions and ratios:

Magnesium
Calcium
Potassium
Phosphorus
Sodium
Chloride

Magnesium/Calcium
Phosphorus/Calcium
Potassium/Magnesium
Potassium/Calcium
Potassium/Sodium
Phosphorus/Magnesium

* ICD is a CLIA approved and California State Licensed laboratory. Eligible for Medicare and Private Insurance Coverage.

60 SECOND SPECIMEN COLLECTION

1. An epithelial cell scraping is easily obtained from the buccal or mouth area. The healthcare professional scrapes the soft tissue on the floor of the mouth to the side of the frenulum.
2. The buccal epithelial cell samples are deposited and fixed on specially prepared slides and sent to IntraCellular Diagnostics.
3. Results are rapidly returned with evaluation of the patient's current intracellular mineral electrolyte status.

INTRACELLULAR ANALYSIS

Fluorescent X-Ray Pattern



Click Below for:

[*Home Page](#)

[*Order](#)

[*60 Second Specimen
Collection](#)

[*Power Minerals](#)

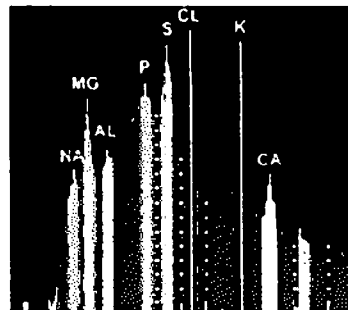
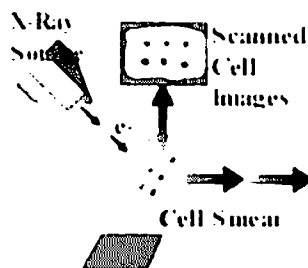
[*Directory](#)

[*Published Research &
References](#)

icd@exatest.com



Samples of
Cells Under SEM
Analysis



Spectral Analysis

TECHNICAL PROCESS

1. The epithelial cell sample is viewed by an analytical scanning electron microscope.
 - Analytical scanning electron microscopy method (SEM) with high tech, computerized elemental X-ray analysis (EXA).
2. The specimen is bombarded by high energy electrons or X-Rays.
3. Energy is released by wavelengths which are distinct and unique to each mineral element.
4. From this process, the computer calculates a "spectral fingerprint" for each patient that identifies the mineral electrolyte levels and ratios within the cell.
5. Results are mailed back to the health professional with an advisory risk factor status for each mineral.
6. The data remains permanently in our system and we may provide comparative analysis of all patients for any one physician.

Why Use Buccal Cells?



1. Research has shown that sublingual epithelial cells correlate well with deep body tissues such as heart tissue taken during bypass surgery and skeletal muscle biopsies...taken from NASA volunteers.
2. Epithelial cells reflect and correlate with current total body mineral electrolyte status.
 - EXA™ uses high-tech, analytical scanning electron microscopy method, (SEM,) with computerized elemental X-ray analysis (EXA).
3. Buccal cells have a high cytoplasm to nucleus structure facilitating mineral electrolyte analysis.
4. Epithelial cells offer a rapidly renewing, homogeneous cell population which reflects very fast tissue changes and allows the physician to follow the patient's current metabolic physical status.
5. They are safe, easy to obtain using a smear on specially prepared slides.

Note:

- Blood and urine levels of minerals and ions DO NOT necessarily reflect what is happening in the working cellular tissues.
- Published university studies of the buccal cell smear, as developed by IntraCellular Diagnostics, indicate high correlations between altered mineral levels and pathophysiological conditions in the following body systems:

**CARDIAC VASCULAR SKELETAL
MUSCULAR NERVOUS**

- Functions of the organelles, membranes and the cardiac muscle relate to intracellular changes which could



**Review the Role
of Magnesium in
Cardiac Function**

contribute to coronary artery disease, arrhythmias, and plaque deposition.

ICD Testing Is:

1. A proven procedure using rapidly metabolizing sublingual (buccal) epithelial cells of the oral cavity to reflect very fast tissue changes of vital minerals.
2. A reproducible and reliable method allowing the practitioner to monitor and screen cellular mineral balance objectively and repeatedly
3. World's first reference test for tissue mineral electrolyte levels. ICD offers you the only office based reference test for identifying mineral depleted or imbalanced patients with pathophysiological complaints.
4. Your solution to measuring dynamic intracellular mineral levels.
5. Easily performed by health care assistants via handy kits provided by ICD.
6. Offers professional training and assistance through an in-house Clinical Information Service.
7. Offers support for interpretation and patient protocol.
8. Eligible for Medicare and insurance coverage.
9. Features mail-delivered specimens for fast turn-around, rapid results of individualized patient information.
10. 24 Hr. Telephone, Fax, and Internet access.

Indications

Mineral imbalances have been documented as contributing to the following conditions:

Cardiovascular Conditions:



**Review the Role
of Magnesium in
Cardiac Function**

Testing for Sports

**Induced Mineral
Electrolyte
Imbalance**



**Testing for Mineral
Imbalance At Any
Age**



EXATEST

**Testing for
Vital Minerals and
Optimum Health**

- Atherosclerosis
- Arrhythmias
- Myocardial Infarctions
- Angina Pectoris
- Hypertension
- Sudden Heart Death

Osteoporosis

Chronic Fatigue Syndrome

Leg and Muscle Cramps

Pre-Menstrual Tension

Sexual Dysfunction

Hormonal Imbalance

And More

Exatest is the best and most accurate test for the above conditions and is also used in the measurement of mineral electrolyte loss due to the following:

Immune System Disorders

Sports Induced Mineral Loss

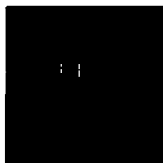
Medication Related Mineral Loss (i.e. diuretics, digitalis)

Rapid Weight Loss

Diabetic Mineral Loss

Malnutrition

And More



Home Page

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