MICRODETERMINATION OF
ZINC IN BLOOD AND TISSUE


REAGENT: DIPHENYLTHIOCARBAZONE 3092 (Dithizone)

METHOD:
Comparative colorimetry at absorption maxima of dithizone and zinc dithizonate.

PROCEDURE:
Specimen is dry ashed and zinc is extracted with dithizone in CCl₄ at pH 5.5 in presence of tartarate solution and complex-forming buffer. Other metals and excess dithizone do not interfere.

RANGE:
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References or abstracts on request

Lovegren, Olle
“Studien Uber den Intermediarin Stoffwechsel Bei Chronischer Polyarthritis.”
Acta Medica Scandinavica
Supplementum CLXIII, Upsala 1945

Ruskin, Simon L.
“The Dynamics of Muscle Tonus and Its Relationship to Circulatory Failure”
Part III
A new approach to the treatment of hypertension and circulatory failure and the use of the Iron Salt of the Adenylc Nucleotide.
American Journal of Digestive Diseases
Volume 15 #8
August 1948 pages 261-271

Szállontay, Károly
“Die Therapeutische Bedeutung der Adenosintriphosphorsäure bei Gefäßserkrankungen.”
Therapeutische Umschau 7 Heft 1944
Medizinische Verlag Hans Huber Bern

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