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METAL-DTPA CHELATES IN
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Metal-DTPA Chelates in Biological Systems: A Bibliography^(a)

by

V. H. Smith^(b)

April, 1972

- (a) This paper is based on work performed under United States Atomic Energy Commission Contract AT(45-1)-1830.
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Metal-DTPA Chelates in Biological Systems: A Bibliography

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The purpose of this bibliography is to point out the diversity of metals that have been used in biological systems involving the chelon, diethylenetriaminepentaacetic acid (DTPA). Literature has been surveyed up through August, 1971, but no claim to completeness is made and the author would appreciate missing entries being brought to his attention so that the listings can be made more complete and brought up to date.

The bibliography is arranged alphabetically by elements, chronically within such divisions and alphabetically within the time periods. Papers dealing with more than one element were entered under each element. Some review papers have been left out because they appeared to duplicate information in others and some redundancy was left in where the author was unsure that open publications and documents contained exactly the same information. Important areas left out of the present listing are Ca-DTPA, except for the inclusion of some studies on toxicity and metabolism, agricultural and aquatic uses, and environmental data. Certainly some of these areas should be included in any revision depending upon the wishes of the people using this bibliography and their communicating such

wishes and criticisms to the author.

Brief notations are included with some entries. The biological system involved was broken into the following categories and keyed to the bibliography entries:

M = Man

P = Pig

D = Dog

GP = Guinea Pig

R = Rodent

MK = Apes, Chimps and the Ilk

O = Other or Unknown

Some entries were consulted in abstract form only. An entry does not indicate that the DTPA chelate necessarily plays an important role in the paper's contents.

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