

SOV/20-121-1-39/55

The Molecular Weight of Serum Albumin, Exposed to Ultra-Sonic Waves in the Presence of Different Gases

The latter do not lose the capacity of forming a monomolecular layer. A fission of the protein molecules was observed also in the case of an acoustic irradiation of serum albumin solutions of higher concentration (Table 2). There is no interaction between the splinters of the protein molecule, they are stable, if the acoustic irradiation takes place in the presence of oxygen (Table 3). The above mentioned investigation makes possible the investigation of the correlation between structure and function of the protein bodies. There are 1 figure, 3 tables, and 9 references, 7 of which are Soviet.

ASSOCIATION: Institut biofiziki Akademii nauk SSSR (Institute of Biophysics, AS USSR) Institut biokhimii im. A. N. Bakha Akademii nauk SSSR (Institute of Biochemistry imeni A. N. Bakh, AS USSR)

PRESENTED: March 10, 1958, by A. I. Oparin, Member, Academy of Sciences, USSR

Card 3/4

AUTHORS: Deborin, G. A., Ivashchenko, G. F., SOV/20-122-4-31/57
Bystrova, M. I.

TITLE: An Investigation of Egg Albumin and Carotene Complexes
(Issledovaniye kompleksov yaichnogo al'bumina s karotinom)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 4, pp 650-652
(USSR)

ABSTRACT: It is known that the lipoproteins of the blood serum contain, in addition to sterols, a considerable amount of carotenoides also (Ref 1). Carotene, however, is not in colloidal solution in the blood serum, as contrasted with previous conceptions, but is closely combined with the albumins of the blood (Ref 2). In reference 3 it was proved by electrophoresis that carotene possesses a specific affinity to the serum globulin. The carotene containing lipoproteins form widespread and often physiologically important pigments in the organism. According to a survey of publications (Refs 4-8) the authors denote the purpose of the present paper as the investigation of the interactions of carotene with egg albumin under the conditions described in their previous papers dealing with sterols (Ref 7).

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Carotene Complexes

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The ultraviolet absorption spectra were measured by the spectrophotometer ~~SP~~ -4 within the wave range between 240 and 300 m μ . It was first proved that the variation of the absorption intensity is not due to a denaturation of the albumin but to the complex formation. Figure 1 shows typical absorption curves of the egg albumin (Curve 1) and of the complex of the egg albumin with carotene (Curve 2) in the quoted range (ordinate - extinction, abscissa - wave lengths). From this it is seen that in the formation of the mentioned complex the absorption maximum of the albumin at 280 m μ is not altered, but a distinct variation of the absorption intensity takes place. It was proved (Ref9) that such a variation is caused by various factors, among others by the variation of the state of aggregation of the protein molecules, even if they remain chemically unchanged. This means that the chromophore groups are not involved in such a process. The reduction of the absorption maximum by protein solutions in the complex formation with carotene is due to a combination of aggregation- and denaturation effects and cannot be taken as a quantitative measure of the complex formation. Nevertheless, this method has proved suitable for the qualitative identification of the

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An Investigation of Egg Albumin and
Carotene Complexes

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nascent protein-carotene complex. Parallel spectral investigations on monomolecular layers supported this conclusion. Figure 2 shows isotherms of the compressibility of a monolayer of egg albumin (Curve 1) and of the egg albumin-carotene complex in a 5 % solution of ammonium sulfate. From the above experimental results the conclusion may be drawn that at 40° the egg albumin forms a complex which is stable in a broad pH-range. By this means carotene is protected by the protein against oxidation by atmospheric oxygen. There are 2 figures, 1 table, and 11 references, 9 of which are Soviet.

ASSOCIATION: Institut biokhimii im. A. N. Bakha Akademii nauk SSSR
(Institute of Biochemistry imeni A. N. Bakh of the Academy of Sciences, USSR)

PRESENTED: April 23, 1958, by A. I. Oparin, Academician

SUBMITTED: April 22, 1958
Card 3/4

OPARIN, Aleksandr Ivanovich, akademik; DEBORIN, G.A., kand.khim.nauk,
red.; KADER, Ya.M., red.izd-va; ANIKINA, R.F., tekhn.red.

[Origin of life] Proiskhozhdenie zhizni. Moskva, Voen.izd-vo
M-va oborony SSSR, 1959. 125 p. (MIRA 12:10)
(Life--Origin)

EL'PINER, I.Ye.; DEBORIN, G.A.; ZORINA, O.M.

Molecular weight and activity of proteolytic enzymes irradiated with ultrasonic waves. Biokhimiia 24 no.5:817-822 S-0 '59. (MIRA 13:2)

1. Institut biologicheskoy fiziki i Institut biokhimii im. A.N.
Bakha Akademii nauk SSSR, Moskva.
(PROTEASES chem.)
(ULTRASONICS eff.)

DEBORIN, G.A. .

Fifth International Congress of Biochemistry. Biokhimiia 24 no.5:
954-955 S-O '59. (MIRA 13:2)

(BIOCHEMISTRY--CONGRESSES)

17(3)

SOV/20-124-3-55/67

AUTHORS:

Deborin, G. A., Bystrova, M. I., Ivanova, V. P.

TITLE:

Changes in the Proteolysis Process of Serum Albumin Caused by
Trypsin in the Formation of Complexes of the Ferment or of the
Substrate With Estradiol (Izmeneniye khoda proteoliza syvorotoch-
nogo al'bumina tripsinom pri obrazovanii kompleksov fermenta ili
substrata s estradiolom)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 3, pp 685-687 (USSR)

ABSTRACT:

On a previous occasion (Refs 1-3), the authors had proved that the
unstable complexes of certain proteins are more stable to various
influences than are the initial proteins. Estradiol, too, is one
of the water-insoluble sterols that can combine with serum albumin
outside the organism (average: 0.43 mol estradiol per 1 molecule
protein)(Ref 4). For this reason, the authors investigated the
estradiol linkage to proteins under the same conditions under which
the linkage with ergosterol took place. An investigation was made
into the changes which cause the complex formation of the ferment
or of the substrate with estradiol in the proteolysis of serum
albumin. It was found that, analogous to ergosterol, estradiol forms
unstable complexes with proteins which participate in the proteo-
lytic process. Thus the proteolytic process is slowed down, and the

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SOV/20-124--3-55/67

Changes in the Proteolysis Process of Serum Albumin Caused by Trypsin in the Formation of Complexes of the Ferment or of the Substrate With Estradiol

splitting intensity of the substrate by the ferment is reduced. This result can be naturally explained by the fact that the complex formation stabilizes the protein against influences which disturb the protein structure. In the formation of the complex of a proteolytic ferment with sterol, the activity of the ferment in the complex is higher than the activity of the initial ferment. In the opinion of the authors, this phenomenon can be explained by the fact that, as a consequence of the complex formation, the ferment is more resistant to the disactivation resulting from its denaturation and autodigestion. These data confirm the view that the complex formation of proteins with lipoids constitutes one of the factors that control the enzymatic processes within the cell. There are 4 figures and 6 references, 4 of which are Soviet.

ASSOCIATION: Institut biokhimii im. A. N. Bakha Akademii nauk SSSR
(Institute of Biochemistry imeni A. N. Bakh of the Academy of Sciences, USSR)

Card 2/3

DEBORIN, G.A.

Der zweite Weltkrieg; Militaropltischer Abriss.
Berlin, Verlag des Ministeriums fur Nationale Verteidigung, 1960.
488 p. tables.
Translated from the original Russian title; Vtoraya Mirovaya Voyna.

DEBORIN, G.A.; IVANOVA, V.P.; OPARIN, A.I.; ELODI, P. D

Effect of ergosterol on the enzymatic activity of phosphoglyceraldehyde dehydrogenase. Acta physiol.hung 17 no.2:133-140 '60.

1. Institut biokhimii A.N. SSSR, in Bakha, Moskva, i Institut biokhimii A.N. Vengrii, Budapesht.
(DEHYDROGENASES metab.)
(VITAMIN D pharmacol)

DEBRIN, G. A., BARANOVA, V. Z., IVANOVA, V. P., and MKRTUMOVA, M. A.
(USSR)

"The Controlling Effect of the Combination of Proteins with Sterols
and Nucleic Acid and of Adsorption Phenomena in the Course of some
Enzymic Processes (read by title).

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

MKRTUMOVA, N.A.; DEBORIN, G.A.

Enzymatic activity of ribonuclease adsorbed on Σ ES-4 sulforesin.
Dokl. AN SSSR 146 no.6:1434-1436 O '62. (MIRA 15:10)

1. Institut biokhimii im. A.N. Bakha AN SSSR. Predstavleno
akademikom A.I. Oparinym.
(RIBONUCLEASE) (ION EXCHANGE RESINS)

GURVICH, A.Ye.; ENGEL'GARDT, V.A., akademik, glav. red.; DEBRIN,
G.A., zam. glav. red.; ZIL'BER, L.A., prof., red.;
BUZNIKOV, G.A., red.

[Virology and immunology; problems of general virology,
structure and biosynthesis of antibodies] Virusologiya i
immunologiya; problemy obshchei virusologii, struktura i
biosintez antitel. Moskva, Nauka, 1964. 274 p.

(MIRA 18:1)

1. Deystvitel'nyy chlen AMN SSSR (for Zil'ber).

YAKOVLEV, V.A.; ENGEL'GARDT, V.A., akademik, glav. red.; DEBORIN,
G.A., zam. glav. red.; BRAUNSHTEYN, A.Ye., akaderik, red.
POZNAVSKAYA, A.A., red.

[Enzymes] Fermenty. Moskva, Nauka, 1964. 310 p.
(MIRA 17:9)

KRETOVICH, V.L., otv. red.; PAVLOVSKAYA, T.Ye., kand. biol.nauk,
red.; DEBORIN, G.A., kand. khim. nauk, red.; KRASIL'NIKOVA,
G.V., red.izd-va; PASHKOVSKIY, Yu.A., red.izd-va; ASTAF'YEVA,
G.A., tekhn. red.

[Problems of evolutionary and technical biochemistry; on
the 70th birthday of Academician A.I.Oparin] Problemy evo-
lyutsionnoi i tekhnicheskoi biokhimi; k 70-letiu akade-
mika A.I.Oparina. Moskva, Izd-vo "Nauka," 1964. 363 p.
(MIRA 17:3)

1. Akademiya nauk SSSR. Institut biokhimi. 2. Chlen-
korrespondent AN SSSR (for Kretovich).

SAMOYLOV, V.I.; ENGEL'GARDT, V.A., akademik, glav. red.; DEBORIN,
G.A., zam. glav. red.; VASIL'YEV, Yu.M., prof., red.

[Biology of malignant growth] Biologiya zlokachestvennogo
rosta. Moskva, Nauka, 1965. 254 p. (MIRA 18:6)

ODINTSOVA, M.S.; ENGEL'GARDT, V.A., akademik, glav. red.;
DEBORIN, G.A., zam. glav. red.; SPIRIN, A.S., doktor
biol. nauk, red.

[Biosynthesis of protein and nucleic acids] Biosintez belka
i nukleinovyykh kislot. Moskva, Nauka, 1965. 346 p.
(MIRA 18:4)

DEBORIN, G.A.; BARANOVA, V.Z.; ZHUKOVA, I.G.

Study of phospholipide surface films of *Micrococcus lysodeicticus* membranes at the water-air interface. Dokl. AN SSSR 159 no.5: 1161-1164 D '64 (MIRA 18:1)

1. Institut biokhimii im. A.N. Bakha AN SSSR. Predstavleno akademikom A.I. Oparinym.

OPARIN, A.I.; DEBORIN, G.A.

Modeling an active transfer of protein through lipid membranes.
Ukr.biokhim.zhur. 37 no.5:761-768 '65.

(MIRA 18:10)

1. Institut biokhimi im. A.N.Bakha AN SSSR, Moskva.

BARANOVA, V.Z.; ZHUKOVA, I.G.; DEBORIN, G.A.

Interrelationship between the phospholipids from the membranes of *Micrococcus lysodeikticus* and serum albumin in the monolayer at the boundary line water-air. Dokl. AN SSSR 165 no.2:431-434 N '65. (MJRA 18:11)

1. Institut biokhimi im. A.N. Bakhva AN SSSR. Submitted January 14, 1965.

DEBORIN, G.A.; TYURINA, I.P.; TORKHOVSKAYA, T.I.; OPARIN, A.I.

Enzymatic splitting of ribonucleic acid separated from ribonuclease by a lipid membrane. Zhur. evol. biokhim. i fiziol. 1 no. 6:550-556 N-D '65 (MIRA 19:1)

1. Institut biokhimii imeni A.N. Bakha AN SSSR, Moskva. Submitted May 24, 1965.

BOBROVA, G.I.; GARDINA, V.I.; ZHURAVA, I.G.

Study of surface films of the lipoprotein α_2 from
Micrococcus lysodeikticus. Dokl. AN SSSR 160 no.1:231-234 1965.
166. (USSR 1965)

I. Institut biokhimi im. A.N.Bakha AN SSSR, Leningrad.
February 17, 1965.

ДЕБЕ КИП'А, Д. П.

Treatment of urological diseases at the Truskavets health resort. Sov. med.
16, no 4, 1952.

DEBORSKI, T.

"For a proper trend in the development of the food substitutes industry,"
Przemysl Rolny I Spozyczy, Warszawa, Vol 8, No 8, Aug. 1954, p. 287.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

USSR/Medicine - Albumen
Medicine - Cells

Oct 48

"Albumens of Cell Nuclei," I. B. Zbarskiy, S. S. Debov, *Gen Biol Res Oncol Inst Imeni P. A. Gertsen*, 3 3/4 pp

"Dok Ak Nauk SSSR" Vol LXII, No 6

Obtained three albumen fractions by various processes from cell nuclei: a nucleoprotein, an acid albumen, and a residual albumen. Their most important characteristic is their amino acid composition. The acid albumen corresponds to Steadman and Steadman's chromosomin. No detailed study has

60/49151

USSR/Medicine - Albumen (Contd)

Oct 48

been made of the residual albumen. Submitted by Acad. A. I. Oparin 30 Aug 48.

60/49151

DEBOV, S.S.

DEBOV, S.S.

Quantitative content of protein fractions in cell nuclei of normal tissue and in malignant tumors. Biokhimiia, Moskva 15 no.6:314-320 Nov-Dec 50. (GLML 21:1)

1. Biochemical Laboratory, Central Oncological Institute, Moscow.

CA

11 G

Amount of protein fractions in the cell nuclei of normal and malignant tissues. S. S. Debov (Central Cytological Inst., Moscow). *Biochimija* 16, 314-28 (1951). The cell nuclei of normal and malignant tissues of man and animals contain 3 protein fractions: (1) nucleoprotein (exd. by *M* NaCl), (2) acidic protein (residue exd. by 0.05 *N* NaOH), and (3) residual protein. The nucleoprotein content of normal human liver cell nuclei varies from 42 to 50%, acidic protein 35-51%, and residual protein 4.5-7.6%. The nucleoprotein of cancerous human liver cell nuclei amounts to 18%, acidic protein 10%, and residual protein 60%. The same relation is observed in normal and malignant rat cell nuclei. H. Priestley

ZBARSKIY, I.B.; DEBOV, S.S.

Protein fractions of cell nuclei. Biokhimiya, '51, 16, 390-395.
(BA - A III Mr '53:267)

(MLRA 4:10)

DEBOV, S. S.

"The Quantitative Content of Protein Fractions in the Cell Nuclei of Certain Benign Tumors of Embryonic and Regenerating Tissues", Vopr. Med. Khimii, No. 6, pp 117-124, 1953.

The amount of acidic proteins and nucleoproteids in the cell nuclei of uterine fibromyomas, fetal tissues, liver sections from rats, and regenerating tissues was investigated. The author suggests that the increase in the residual protein content of cell nuclei is connected with a process of tissue dedifferentiation (or anaplasia in tumors), while an increase in the quantity of nucleoproteids, on the other hand, is due to differentiation.
SO: Sum. No. 443, 5 Apr 55

DEBOY, S.S. (Moskva)

Nucleic acids under normal and pathologic conditions. Usp.biol.khim.
2:115-140 '54. (MIRA 12:12)

(NUCLEIC ACIDS, metabolism,
in pathol. & normal cond.,)

DEBOV, S., kandidat biologicheskikh nauk.

~~PROTEIN METABOLISM~~

Proteins and protein metabolism in cancer (Review of foreign
periodical literature). Sovr.probl.onk. 6 no.5:3-8 '54.(MLRA 7:7)
(Cancer) (Proteins)

DEBOV, S. S.

USSR/Medicine - Biochemistry

Card 1/1 Pub. 22 - 27/45

Authors : Debov, S. S.

Title : Methylation of uracil in tissue homogenates

Periodical : Dok. AN SSSR 99/4, 589-592, Dec 1, 1954

Abstract : The possibility of the formation of thymine in tissue homogenates, through direct methylation (remethylation) of uracil, was investigated. The results are listed. Ten references: 6-USSR; 3-USA and 1-English (1933-1953). Drawings.

Institution : The First Medical Institute, Moscow

Presented by: Academician A. D. Speranskiy, June 2, 1954

DeBAY, S.S.

1241. Content of nucleic acids in some antibiotic-insceptible and antibiotic-resistant strains of the coecus group. A. G. Bukrinskaya and S. S. Debov *Vop. vtd. Khim.*, 1955, 1, 422-425; *Referat. Zh. Biol. Khim.*, 1956, Abstr. No. 12323. — A study of the content of nucleic acids and albumin in strains of the coecus group resistant to antibiotics (penicillin, streptomycin, "synthomycin" [chloramphenicol]) showed a decrease in the proportion of RNA an increase in the proportion of DNA and a reduction of the total amount of albumin in comparison with the original strains. The variation in the proportion of RNA and DNA is particularly clearly marked in recent cultures. It is not observed in typhoid bacilli adapted to synthomycin. The degree of variation in the content of nucleic

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acids and albumin depends on the species of bacteria, the duration of contact with the antibiotic and the degree of acquired resistance.
(Russian)
C. C. BARNARD

AL'TGAUZEN, Aron Yakovlevich, professor; DEBOV, S.S., redaktor; ROMANOVA,
Z.A., tekhnicheskij redaktor

[Laboratory clinical examinations] Laboratornye klinicheskie
issledovaniia. Izd. 3-e, ispr. i dop. Moskva, Gos. izd-vo med.
lit-ry, 1956. 299 p. (MIRA 10:3)
(DIAGNOSIS) (BODY FLUIDS--ANALYSIS)

SEVERIN, S.Ye.; MARDANSEV, S.R.; BUCHKOV, S.M.; DEBOV, S.S.

International Congress on Clinical Chemistry. Vop.med.khim. 3 no.5:
397-400 8-0 '57. (MIRA 10:12)

(CHEMISTRY, MEDICAL AND PHARMACEUTICAL)

DOBRYNINA, Valentina Ivanovna, prof.; SVESHNIKOVA, Yekaterina Aleksandrovna,
dotsent; ~~DEBOV~~, S.S., red.; ROMAIKOVA, Z.A., tekhn.red.

[Manual for practical studies in biochemistry] Rukovodstvo k
prakticheskim zaniatiyam po biologicheskoj khimii. Moskva, Gos.
izd-vo med.lit-ry, 1958. 342 p. (MIRA 12:1)

(BIOCHEMISTRY--LABORATORY MANUALS)

DEBOV, S.S., GRUNT, Ye.V.

Amino acid composition of the human epidermis [with summary in English]
Vop.med.khim. 4 no.5:385-391 S-0 '58 (MIRA 11:11)

1. Kafedra organicheskoy i biologicheskoy khimii I Moskovskogo
ordena Lenina meditsinskogo instituta imeni I.M. Sechenova i
Laboratoriya Ministerstva zdrevookhraneniya SSSR, Moskva.
(AMINO ACIDS, metab.
skin (Rus))
(SKIN, metab.
amino acids (Rus))

DeBoy S.S.
OREKHOVICH, v.N.; BYCHKOV, S.M.; DEBOY, S.S.; MARDASHEV, S.R.; SEVERIN, S.Ye.

Second International Congress on Clinical Chemistry. Vest. AMN SSSR
13 no.2:62-74 '58. (MIRA 11:3)
(CHEMISTRY, MEDICAL AND PHARMACEUTICAL)

OREKHOVICH, V.N., prof.; MARDASHEV, S.R., prof.; DEBOV, S.S., kand.med.nauk

Soviet biochemists visit the U.S.A. Vest.AMI SSSR 14 no.7:
57-67 '59. (MIRA 12:9)

1. Deystvitel'nyye chleny AMN SSSR (for Orekhovich, Debov).
(UNITED STATES--BIOCHEMISTRY)

TITAYEV, Aleksey Asinkritovich; DEBOV, S.S., red.; POLEZHAYEV, Ye.F.,
red.; BALDINA, N.F., tekhn.red.

[Antisymphatin] Antisimpatin. Moskva, Gos.izd-vo med.lit-ry,
1960. 151 p. (MIRA 13:6)

(ANTISYMPATHIN)

ZBARSKIY, Boris Il'ich [deceased]; IVANOV, Il'ya Il'ich; MARDASHEV,
Sergey Rufovich; DEBOV, S.S., red.; BEL'CHIKOVA, Yu.S.,
tekh.red.

[Biological chemistry] Biologicheskaya khimiya. Izd.3., ispr.
i dop. Moskva, Gos.izd-vo med.lit-ry, 1960. 489 p.

(MIRA 13:9)

(BIOCHEMISTRY)

MARDASHEV, S.R.; DEBOV, S.S.; FEOFILOVA, E.P.

Bacteriostatic effects of 5-bromo-6-hydroxypyrimidine. Vop. med.
khim. 6 no. 6:643-644 N-D '60. (MIRA 14:4)

1. Kafedra biokhimi i Moskovskogo meditsinskogo instituta imeni
I.M. Sechenova i laboratoriya biokhimi mikrobov Instituta
biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.
(PYRIMIDINE) (MYCOBACTERIUM) (ESCHERICHIA COLI)

MARDASHEV, S.R.; DEBOV, S.S.; YAROVAYA, L.M.

Biosynthesis of orotic acid from α -ureido- β -methylsuccinic
and aspartic acids. Dokl. AN SSSR 134 no.3:713-716 S '60.
(MIRA 13:9)

1. Pervyy Moskovskiy meditsinskiy institut im. I.M. Sechenova.
2. Deystvitel'nyy chlen AMN SSSR (for Mardashev).
(OROTIC ACID) (SUCCINIC ACID) (ASPARTIC ACID)

DEBOV, S. S., (USSR)

"On the Mechanism of Action and Metabolism of
5-Bromine-6-Hydroxypyrimidine."

Report presented at the 5th Int'l. Biochemistry Congress,
Moscow, 10-16 Aug 1961

MAYSKIY, I.N., glav. red.; TONGUR, V.S., nauchn. red.;
BOGOYAVLENSKAYA, N.V., nauchn. red.; VYAZOV, O.Ye., red.;
GEOrgIYEV, O.Ye., red.; DEBOV, S.S., red.; DOBROKHOTOV, V.N.,
red.; ZHUKOV-VEREZHIKOV, N.N., red.; LAGUCHEV, S.S., red.;
LIOZNER, L.D., red.; LONAKIN, M.S., red.; PEKHOV, A.P., red.;
TONGUR, V.S., red.; GOSTEV, V.S., red.

[Nucleic acids and nucleoproteins; transactions] Nukleino-
vye kisloty i nukleoproteidy; trudy. Pod red. I.I. Maiskogo,
Tongura, V.S i N.V. Bogoyavlenskoi. Moskva, Mosk. biokhim.
ob-vo, 1961. 345 p. (MIRA 17:9)

1. Konferentsiya po nukleini novym kislotam i nukleoproteidam.
1st. Moscow 1959. 2. Institut eksperimental'noy biologii AMN
(for Tongur, ostev). 3. Pervyy Meditsinskiy institut imeni
I.I. Sechenova, Moskva (for Debov).

DEBOV, S.S.; CHZHAO TUEN-REY; MARDASHEV, S.R.

Biosynthesis of uracil by *E. coli*. Vop. med. khim. 7 no.3:
297-301 My-Je '61. (MIRA 15:3)

1. Chair of Biological Chemistry, "I.M. Sechenov" First
Moscow Medical Institute.

(EXCHERIGHIA COLI)
(URACIL)

DEBOV, S.S.

Metabolism of 5-bromo-6-hydroxypyrimidine in the liver of rats. Vop. med. khim. 7 no.4:401-408 J1-Ag '61. (MIRA 15:3)

1. Chair of Biological Chemistry of the First Moscow Medical Institute.

(LIVER)
(PYRIMIDINOL)

GALEGOV, G.A.; DEBOV, S.S.; MARDASHEV, S.R.

Synthesis of dl-2-C¹⁴- β -methylaspartic acid and its carbonyl derivative.
Biokhimiia 26 no.5:831-833 S-0 '61. (MIRA 14:12)

1. Institute of Biological and Medical Chemistry, Academy of Medical
Sciences of the U.S.S.R. and Chair of Biochemistry, 1st Medical
Institute, Moscow.

(ASPARTIC ACID)

ZBARSKIY, Boris Il'ich, prof.[deceased]; ZBARSKIY, Il'ya Borisovich;
SOLNTSEV, Aleksandr Ivanovich; DEBOV, S.S., red.; BUL'GAYEV,
N.A., tekhn. red.

[Laboratory work in biochemistry] Praktikum po biologicheskoi
khimii. 3. izd., ispr. i dop. Moskva, Medgiz, 1962. 279 p.
(MIRA 15:7)

1. Kafedra biologicheskoy khimii Pervogo Moskovskogo meditsin-
skogo instituta (for Zbarskiy, B.I., Zbarskiy, I.B., Solntsev).
(Biochemistry--Laboratory manuals)

AL'TGAUZEN, Aron Yakovlevich, prof. [deceased]; NOSALEVICH, O.M., red.;
DEBOV, S.S., red.; BEL'CHIKOVA, Yu.S., tekhn. red.

[Clinical laboratory studies] Laboratornye klinicheskie is-
sledovaniia. Pod red. O.M.Nosalevich. Izd.4. ispr. i dop. Mo-
skva, Medgiz, 1962. 327 p. (MIRA 15:4)
(MEDICAL LABORATORIES--TECHNIQUE)

DEBOV, S.S.

Effect of antimetabolites of pyrimidine bases on the synthesis
of nucleic acids. Vop. med. khim. 8 no.6:563-577 N-D '62.

(MIRA 17:5)

1. Kafedra biologicheskoy khimii I Moskovskogo ordena Lenina
meditsinskogo instituta imeni Sechenova.

DEBOV, S.S.; MARDASHLY, S.R.; VOTRIN, I.I.; BLAGOVESHCHENSKAYA, Ye.V.

Ribonucleic acid polymerization activity of desoxyribonucleoprotein
from the rat liver and cells from Ehrlich ascites cancer in mice.
Vop. med. khim. 10 no.1:92-94 Ja-F '64.

(MIRA 17:12)

1. Kafedra biokhimi i Moskovskogo ordena Lenina meditsinskogo insti-
tuta im. I.M. Sechenova.

NOVAKOV, Yu.A.; YAKOVLEVVA, L.F.; DEBOV, B.S.

Affect of formaldehyde on the viscosity of solutions of deoxyribity.
nucleic acid. Vop. rad. khim. 10 no.4:398-401 J1-Ag '64. (1964:137)

1. Nauchno-issledovatel'skaya laboratoriya Ministerstva
zashchity i obranyeniya SSSR, Moskva.

MARDASHEV, Sergey Rufovich; DEBOV, S.S., red.

[Some problems in the regulation of metabolism and natural
polymers] Nekotorye problemy reguliatsii obmena veshchestv
i prirodnye polimery. Moskva, Meditsina, 1965. 82 p.
(MIRA 18:9)

DEBOV, S.S.; MARDASHVE, S.R.; VORONOV, A.Ya.

Effect of polyadenylic acid on the incorporation of lysine
into proteins by liver ribosomes in rats. Vop. med. khim.
10 no.6:635-637 N-D '64. (MIRA 19:1)

1. Kafedra biologicheskoy khimii I Moskovskogo ordena Lenina
meditsinskogo instituta imeni Sechenova.

DEBOV, S.S.

Second Conference of the European Federation of Biochemical
Societies. Vop.med.khim. 11 no.5:102-105 S-0 '65.

(MIRA 19:1)

DEBOWSKA, Danuta

3 Cases of acute appendicitis during measles. *Pediat. polska* 33 no.5
583-586 May 58

1. Z Oddzialu Chirurgii Dzieciecej P.S.K. Nr 3 w Lublinie Dyrektor
i kierownik Oddzialu: dr med. A. Baumik. Adres: Lublin, ul.
Staszica 11, P.S.K. Nr 3.

(APPENDICITIS, in inf. & child
acute during measles, case reports (Pol))
(MEASLES, cases reports
with acute appendicitis (Pol))

DEBOWSKA, Danuta; ZATONSKA, Izabella

Spontaneous regression of congenital goiter in a newborn infant.
Endokr. pol. 12 no.5:517-522 '61.

1. Oddzial Chirurgiczny Szpitala Dzieciecego w Lublinie Ordynator:
dr A.Naumik II Kliniki Chorb Wewnetrznych AM w Lublinie Kierownik:
prof. dr A.R.Tuszkiewicz.
(GOITER in inf & child) (INFANT NEWBORN dis)

DEBOWSKI, Ja., akademik.

Planning of science (development of the problem of regeneration in animals). Vest. AN SSSR 24 no.8:41-47 Ag '54. (MIRA 7:9)

1. Prezident Pol'skoy Akademii nauk.
(Regeneration (Biology))

DEBOWSKI, Janusz, mgr inż.; GRANOWSKI, Andrzej, mgr inż.; KWALIK, Tadeusz, mgr inż.

Testing the prototype of the RKG1-71 voltage regulator for 150 MVA alternators. Energetyka Pol 18 no.10:Suppl.: Biul Inst energetyki 6 no.9/10:41-43 0 1971.

1. Department of Automatic Control and Safety Protection, Institute of Power Engineering, Warsaw.

GARBULINSKI, Tadeusz; DEBOWY, Jozef

High-energy heart phosphates under the influence of histamine.
Acta physiol. Pol. 15 no. 5:643-649 S.-J '64

I. z Katedry i Zakladu Farmakologii Wyzszej Szkoły Rolniczej
we Wroclawiu (Kierownik: doc. dr. T. Garbulinski).

POLAND

GARBULINSKI, Tadeusz; KOZAR, Zbigniew; BUBIEN, Zenon; IEBOWY, Josef; BIELINSKI,
Edward

1. Dept. of Pharmacology, Higher School of Agriculture, Wroclaw;
2. Dept. of Parasitology, Higher School of Agriculture, Wroclaw;
3. Dept. of Physics, Higher School of Agriculture, Wroclaw;
4. Laboratory of Anthrozooses, Polish Academy of Sciences, Wroclaw

Warsaw, Acta parasitologica polonica, Fasc. 27, Sept 1965, pp 275-282

"³²P incorporation into energetic phosphates of the heart and skeletal muscles in rats infected with Trichinella spiralis." (This work was supported in part by the U.S. Dept. of Agriculture, Agricultural Research Service, Grant No. FG-Po-148.)

YAKHNO, N.V.; DEBOY, N.I.

Using semiautomatic conveyor in hardening pins of the SKEM-3G
bestroot combine. Mashinostroenie no.1:85-86 Ja-F '63.
(MIRA 16:7)

(Steel--Hardening)

DEBRAS, J.; Woinowitch, I.

Study of strontium emission in the oxyacetylene flame in the presence of Ca, Mg, Ba, Na, K, and Li. In French. p. 303.

CHEMIA ANALITYCZNA. (Komisja Analityczna Polaskiej Akademii Nauk i Naczelan Organizacja Techniczna) Warszawa, Poland, Vol. 3, no. 3/4 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959
Uncl.

DEBRŐCENI, A.

DEBRŐCENI, A. Soil reclamation on the Pal Toro Collective Farms at Mezotur.
p. 9.

Vol. 11, no. 17, Sept. 1956

MAGYAR MEZOGAZDASAG

AGRICULTURE

Budapest, Hungary

So: East European Accession, Vol. 6, No. 5, May 1957

PETERBURGSKIY, A.V., doktor sel'skokhozyaystvennykh nauk, prof.;
DEBRETSENI, B. [Debreceni, B.]

Availability of the phosphates of compound and simple fertilizers
to oats in acid and ~~lmed~~ soils. Izv. TSKhA no.5:112-120 '61.

(MIRA 14:12)

(Oats--Fertilizers and manures)
(Phosphates)

DEBRECENI, Csaba, dr.
VERTES, Bodog, dr.; DEBRECENI, Csaba, dr.

Possibilities of false diagnosis in early syphilis. *Borgogy.*
vener. szemle 33 no.1:38-42 Feb 57.

1. A budapesti Orvostudományi Egyetem Bőr- és Nemikortani
Klinikájának Közleménye (igazgató: Foldvari, Ferenc, dr.
egyetemi tanár).

(SYPHILIS, diag.)

false diag. in early syphilis, case reports (Hun)

DEBRECENY, Etele

A preset scaler for monitoring accelerators. Koz fiz kozl MTA 8 no.1:
41-43 '60. (EAI 10:1)

1. Magfizikai Laboratorium II, A Magyar Tudomanyos Akademia Kozponti
Fizikai Kutato Intezete.
(Particle accelerators)

DEBRECENI, Gaborne (Budapest):

Carbon monoxide problem of our century. Term tud kozl 4
no. 6:247-249 Je '60.

DEBRECENI, Istvan; VARNAI, Tibor E.

Experiences gained in the electrolytic quick heating of steels. Gep
12 no.1:25-32 Ja '60.

DEBRECENI, J.

"Some Timely Problems of Technical Work Norms. ", P. 26. (TORBENTSELES,
Vol. 8, No. 1, Jan. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4,
No. 1, Jan. 1955, Uncl.

DEBRECTHI, J.

Setting Technical Standards for Materials is a Decisive Factor in the Correct Planning of Materials. P.31. (TOBDETFELES, Vol. 9, No. 1, Jan. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 1, Jan. 1955, Uncl.

~~DEBRECZENI, Belars;~~ DEBRECZENI, Bela

Examination of the effectiveness of simple and complex fertilizers with different grain sizes and solubilities. II. Agrochem talajtan 9 no.4:469-478 '60.

1. Research Institute for Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences, Budapest, and Department of Agricultural Chemistry, Timiryazev Agricultural Academy, Moscow.

DEBRECZENI, Belane

Examination of the efficiency of the Hungarian double fertilizer (NIFOSZ) depending upon the solubility of its phosphorus content. Agrokem talajtan 11 no. 3-4:335-334 D '62.

1. Ontozesi es Rizstermesztesi Kutato Intezet, Szarvas.

PETERBURGSZKIJ, A.V. [Peterburgskiy, A.V.]; DEBRECZENI, Bela

Examination of the effectiveness of simple and complex fertilizers with different grain sizes and solubilities. I. Agrochem talajtan 9 no.4:453-468 '60.

1. Kafedra agrokhemii sel'skokhozyaystvennoy akademii imeni K.A. Timiryazeva, Moskva.

DEBRECZENI, ~~Belars~~; DEBRECZENI, Bela

Examination of the effectiveness of simple and complex fertilizers with different grain sizes and solubilities. II. Agrokem talajtan 9 no.4:469-478 '60.

1. Research Institute for Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences, Budapest, and Department of Agricultural Chemistry, Timiryazev Agricultural Academy, Moscow.

DEBRECZENI, Bela, dr., a mezogazdasagi tudomanyok kandidatusa

Mineral nutrition of plants. Elovilag 7 no.6:36-40
N-D '62.

DEBRECZENI, B.; DEBRECZENI, K.

Results of comparative tests on complex fertilizers in Hungary.
Agrokem talajtan 13 Suppl.:89-94 Mv '64.

1. Research Institute of Irrigation and Rice Growing, Szarvas.

TABAK, Ivan, a magaski tudományek kandidátusa, ISZKOLCNI, "Tudományok és Technika" (1964)

Testing the operation of spoon-shaped anemometers. Műsz. közl. MTA 34 no. 3:233-245 '64.

1. Chair of Mining Machinery, Technical University of Heavy Industry, Miskolc.

DEBRECZENI, Jozsef

Development of the shipbuilding industry in the German
Democratic Republic. Jarmu mezo gep 7 no.4:135-137 '60.

L 37799-66

ACC NR: AP6028463

SOURCE CODE: HU/0018/66/000/003/0291/0293

AUTHOR: Debreczeni, Margit; Vadasz, Erzsebet ¹²

ORG: Dermatological Clinic, Medical University of Debrecen (Debreceni Orvostudományi Egyetem, Borklinika) ³

TITLE: Role of dehydroepiandrosterone ²² in seborrhea

SOURCE: Kiserletes orvostudomány, no. 3, 1966, 291-293

TOPIC TAGS: endocrinology, skin disease, hormone, biologic metabolism

ABSTRACT: The article deals with the hormonal background of seborrhea. A large number of the patients with acne who were subjected to endocrinological examination were found to have a decreased amount or complete lack of dehydroepiandrosterone. An attempt is made to correlate this finding with the pentose cycle and with the disturbance in lipid metabolism seen in patients with seborrhea. Orig. art. has: 1 table. [JPRS: 36,599]

SUB CODE: 06 / SUBM DATE: 19Jun65 / ORIG REF: 003 / OTH REF: 010

Card 1/1 *ell*

DEBRECZENI, Laura, dr.; HUDAS, Lenke, dr.; BARDOS, Vera, dr.

The use of hydrocortisone in dental prophylaxis. Fogorv. szemle
58 no.6:170-172 Ja '65

1. A Pécsi Orvostudományi Egyetem Stomatológiai Klinikájáról
(Igazgató: Schranz, Dénes, dr., egyetemi tanár).

HUNGARY

PAL, Tibor, Dr, DEBRECZENI, Laszlo, medical student; Coal Mining Trust, Research Department (Szenbanyaszati Troszt, Kutatasi Osztaly), Pecs.

"Analysis of Lung Tissues Extracted by the Formamide Method."

Budapest, Orvosi Hetilap, Vol 104, No 39, 29 Sep 63, pages 1850-1852.

Abstract: [Authors' Hungarian summary] The formamide method was used by the authors for the extraction of lung tissue. Because of its digestive effect on organic materials, it is well suited for the reclamation of dust which has settled in the lungs. The method does not alter these dust particles and they are, therefore, suited for qualitative and quantitative analyses. The results of the investigations show that most of the dust which settles in the lungs consists of granules which are under 1 micron. 3 Eastern European, 21 Western references.

1/1

I 14888-66

ACC NR: AT6007411

SOURCE CODE: HU/2505/65/026/00X/0029/0030

AUTHOR: Szentivanyi, M.; Debreczeni, L.; Juhasz-Nagy, S.

ORG: III. Department of Medicine, Medical University of Budapest (Budapesti Orvostudományi Egyetem, III. Belgyógyászati Tanszék); Institute of Physiology, Medical University of Debrecen (Debreceni Orvostudományi Egyetem, Elejtani Tanszék) 17
B+1

TITLE: Report on a new vasoactive substance which regulates the metabolic adaptation of the coronaries [This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to 4 July 1964]

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement, 1965, 29-30

TOPIC TAGS: circulatory system, dog, blood serum, circulatory system disease

ABSTRACT: Coronary rigidity (cr) was induced in dogs by elimination of the coronary constrictor tone by surgical or pharmacological means. In the course of development of the cr, the existence of a substance could be demonstrated in the serum of the coronary sinus blood. The administration of this substance to a test dog caused the reappearance

Card 1/2

I 14888-66

ACC NR: AT6007411

of its previously extinguished hyperemic reactions; i.e. the disappearance of rigidity. The control sera produced no such effect. A close correlation was found to exist between the appearance of the active substance in the sinus blood of the donor animal and the exact time of the disappearance of its reactive hyperemic responses. Heating tests indicated that the substance is not a protein. The substance enhanced the hyperemic responses of non-rigid canine coronaries as well. The newly discovered substance is not identical with any of the known vasoactive agents. It may be assumed that in angina pectoris, the diseased condition of the coronaries is due to a deficiency or lack of this substance. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 2/2

KARACSONY, J.; DEBRECZENI, M.G.; SZANDER, E.

Data on the role of the liver in the pathomechanism of psoriasis.
Acta med. acad. sci. Hung. 21 no.3:241-245 '65.

1. Dermatologische Klinik (Direktor: Prof. Dr. I. Szodoray) der
Medizinischen Universität, Debrecen. Submitted March 14, 1963.

DEBRECZENY, Elemer

Economical questions of the constructed pipe bridge systems. Magyar Lap 18 no.11:555-561 N '63.

1. Vegyimuveket Tervezo Vallalat.

DEBRECZENY, Elemer, okleveles mernok

Congress on Steel structures in Graz. Melyepitestud szemle 13
no.12:551-553 D '63.

1. Vegyimuveket Tervezo Vallalat irodavezetoje.

DEBRECZENY, Elmer, okleveles mernok; **HALASZ, Otto, dr.**, docens, a muszaki tudományok kandidátusa; **PLATTHY, Pal, dr.**, adjunktus; **VISONTAI, Jozsef**, tanársegéd

Aerodynamic model test of tubular bridges. ~~M~~alypitestud szemle 13 no.1:35-41 Ja '63.

1. **VEGYTERV** osztályvezetője (for Debreczeny). 2. Építőipari és Közlekedési Műszaki Egyetem I. Hidépítési Tanszék (for Halasz). 3. Építőipari és Közlekedési Műszaki Egyetem I. Hidépítési Tanszék (for Platthy). 4. Építőipari és Közlekedési Műszaki Egyetem I. Hidépítési Tanszék (for Visontai).

DEBRECZENY, Elemer

Miniature bridges in the chemical industry. Musz elet 15 no.18:7
S '60. (EEAI 9:12)
(Hungary--Chemical industries)

DEBRECZENY, Elemer

Gas tanks for the use of the chemical industry. Melyepit tud
sz 12 no.2:83-89 F '62.

ERSEK, Elek, okleveles bányamernok; DEBRECZENI, Elemer, okleveles bányagepészmernok

Examination of the guide beams of vertical hoisting shafts. Bany lap
96 no.3:170-174 Mr '63.

1. Bányászati Tervező Intézet, Budapest (for Ersek). 2. Nehézipari
Műszaki Egyetem, Miskolc (for Debreczeni).

TARJAN, Ivan, dr., okleveles bányagépészmernok, a muszaki tudományok
kandidátusa, egyetemi docens; DEERCZEHI, Elemér, okleveles
bányagépészmernok, egyetemi tanársegéd

Methods for the measurement of air volumes in mines. Bany lap
96 no.8:515-521 Ag '63.

1. Nehezipari Muszaki Egyetem Bányagéptani Tanszék, Miskolc.

DEBRECZENY, Etele

Linear amplification of the signal of time-amplitude converters.
Koz fiz koal MTA 11 no.4:331-342 '63.

GACS, Istvan; DEBRECZENI, Gabor

Illumination of picture galleries with special regard to the
damaging effect of light. Villamosag 13 no.1:16-23 Ja '65.

GACS, Istvan; DEBRECZENI, Gabor

Illumination of picture galleries. Musz elst 20 no.7:15 3 Ap '65.

DEBN GYUFI, I.

DEBN GYUFI, I. Gravel and charcoal are not fodder! p. 23.

Vol. 11, No. 11, June 1956

MAGYAR MEZGAZDASAG

AGRICULTURE

Budapest, Hungary

So: East European Accession, Vol. 6, No. 5, May 1957

HUNGARY/Diseases in Farm Animals. ~~Non~~contagious Diseases.

R-1

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54927.

Author : ~~Debreczeni, Istvan~~; Kakuk, Tibor

Inst :

Title : To the Problem of Rachitis in Young Turkeys.

Orig Pub: Magyar allatorv. lapja, 1957, 12, No 3, 92-94.

Abstract: It was observed that young turkeys fell ill with rachitis. It was shown that rachitis may be caused by lack of Ca in the fodder as well as by a Ca surplus (in one of the afflicted herds Ca content in the forrage mixture reached 12 percent). However, symptoms differ when there is a lack of Ca and when there is a surplus of Ca. When there is a surplus of Ca under conditions of acidosis, rachitis takes a course with symptoms which are typical for perosis in chicks, yet when there

Card : 1/2

HUNGARY/Diseases in Farm Animals. Noncontagious Diseases.

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54927.

is a lack of Ca the observed characteristics were typical for rachitis. It was noted that young turkeys show a varied sensitivity to Ca imbalance in their rations. Prophylaxis of rachitis in young turkeys by supplying them with vitamin enriched (vitamin D) cod-liver oil does not prove successful.

Card : 2/2

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