KOVACS, E.; MARKOVICS, B.

Investigation of potential change in production of citric acid in surface and deep cultures. p. 247.

A MAGYAR TUDOMANYOS AKADEMIA V. OSZTALAY BIOLOGIAI CSOPORTJANAK KOZLEMENYEI. Budapest, Hungary. Vol. 3, no. 2, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

COUNTRY : RUMANIA F
CATEGORY : Laboratory Equipment. Apparatus, Their Theory, Construction and Application
ABS. JOUR. : RZKhim., No. 1 1960, No. 1013

AUTHOR : Kovacs, E.; Bukaresti, L.
INST. : -
TITLE : Single Vessel for Serial Polarographic Analyses

ORIG. PUB. : Rev. med. (RPR), 1959, 5, No 1, 98-99

ABSTRACT : The principal parts of the apparatus are: test tube of 17 mm diameter and height of 65 mm; connecting piece of diameter 24 mm and length 55 mm closed from above with a rubber stopper, through which the following are introduced: a capillary for drop cathode, Pt contact for the anode, tube for the supply of inert gas (H_2, N_2) and a microburette; funnel having a lower part length of 110 mm and that of the

CARD: 1/3

COUNTRY : F
CATEGORY :
ABS. JOUR. : RZKhim., No. 1 1960, No. 1013

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT cont'd : upper part 45 mm, upper part diameter 36 mm, and fastened to a stand. The test tube into which a small quantity of Hg (anode) and the investigated solution are poured in is placed into the upper part of the funnel filled with water and is closed with a connecting piece from above; thus, the investigated solution is separated from the atmosphere with a liquid seal in the funnel. After a polarogram

CARD: 2/3

MATKOVICS, Bela (Szeged, Oskola u. 16); KOVACS, Endre (Szeged, Kalmany L. u.10)

Potential changes during citric-acid production in surface and submerged cultures. In German. Acta biol.Hung. 10 no.2:151-155 '59. (EEAI 9:5)

1. Organisch-Chemisches Institut der Universitat, Szeged.
(Aspergillus niger) (Citric acid)

MAROS, Tibor; KOVACS, Endre; MODY, Jeno; LAZAR, Laszlo

Changes in protein fractions of the blood following partial excision of the cerebral cortex and in lesions of certain regions of the central nervous system (hypothalamus, reticular formation). (Data on the problem of the regulation of protein metabolism by the central nervous system). Preliminary communication. Ideg.szemle 12 no.10:294-300 O '59.

1. A Roman Nepkoztarsasag Akademiaja Marosvasarhelyi (Tirgy-Mures) Kutatoallomasa Idegszovettani Laboratoriumanak (Vezeto: Dr. Maros Tibor eloado-tanar) es Biokemiai Laboratoriumanak (Vezeto: Dr. Kovacs Endre eloado-tanar) kozlemenye.

(BLOOD PROTEINS)
(CEREBRAL CORTEX physiol)
(HYPOTHALAMUS physiol)
(BRAIN STEM physiol)

KOVACS, Endre; FAZEKAS, Arpad

A simple method for the enlargement of reference spots in paper chromatography. Kiserletes Orvostud, 12 no.6: D '60.

1. Szegedi Orvostudomanyi Egyetem Vegytani es Biokemiai Intezete.

(CHROMATOGRAPHY)

KOVACS, Endre; MARTON, Piroska

Rapid quantitative determination of lipid content by the perchloric acid butyrometer method. Kiserl. orvostud. 14 no.4:447-448 S '62.

1. Szegedi Orvostudomanyi Egyetem Vegytani es Biokemiai Intezete.
(LIPIDS) (TECHNOLOGY, MEDICAL) (PERCHLORIC ACIDS)

KOVACH, E. [Kovacs, E.]; SHNEYDER, Y. [Schneider, I.]; URESH, F. [Ures, F.]

Mechanism of tropine—ψ-tropine isomerization. Izv.AN SSSR.Ser. khim. no.2:320-326 F '64. (MIRA 17:3)

1. Institut organicheskoy khimii Segedskogo universiteta, Vengriya.

L 32827-66 T JK/GD-2

ACC NR: AP6020272 SOURCE CODE: HU/0028/65/012/003/0223/0227

AUTHOR: Kovacs, Endre (Ungarn); Kokai, Karoly (Ungarn); Mazarean, Hortenzia (Ungarn)

ORG: Institute of Biochemistry/directed by Gy. Domjan/, Medical University of Szeged, Szeged

TITLE: Investigation of the change in catalase activity in fucidine-resistant Staphylococcus aureus cultures

SOURCE: Academia scientiarum hungaricae. Acta microbiologica, v. 12, no. 3, 1965, 223-227

TOPIC TAGS: bacteriology, enzyme, biologic respiration

ABSTRACT: The catalase activity of the cells of Staphylococcus aureus cultures gradually ceases in the course of fucidine adaptation. There is no enzyme induction in the fucidine-fast cultures since the equilibrium of the processes is shifted toward catalase-independent oxidation mechanisms during the adaptation and, therefore, fucidine has no influence on the respiration rate of the microorganisms undergoing adaptation. Orig. art. has: 2 figures. [Orig. art. in German] [JPRS]

SUB CODE: 06 / SUBM DATE: 12Apr65 / ORIG REF: 001 / OTH REF: 016

Card 1/1 ~~4~~ 5

HUNGARY

KOVACS, Endre, HEINER (Mrs), MAZAREAN, Hortenzia, KOKAI, Karoly; Medical University of Szeged, Institute of Biochemistry (Szegedi Orvostudomanyi Egyetem, Biokemiai Intezet).

"Study of the Respiration and of the Mechanism of Catalase Effect of Staphylococcus Aureus Cultures in the Course of Antibiotic Adaptation."

Budapest, Kiserletes Orvostudomany, Vol XVIII, No 5, Oct 66, pages 454-459.

Abstract: [Authors' Hungarian summary] In the course of adaptation to fucidin, the catalase activity of the Staph. aureus culture decreases greatly. The induction of catalase in the bacterial culture occurs at the time of great decrease in oxygen pressure, that is, at the time when the oxygen consumption of the cells is at its highest intensity. Because of its reducing properties, when ascorbic acid is added to the culture medium, it decreases suddenly the oxygen pressure of the culture and thus provides more rapidly the conditions for catalase induction. Since, in contrast to the peroxidase system, catalase is capable of insuring the oxidation process of the cells with lesser amounts of oxygen as well, its role is to insure the stationary phase of development. In the course of fucidin adaptation, there is a decrease in catalase activity which in turn results in the shortening of the stationary phase. 1 Hungarian, 13 Western references. [Manuscript received 25 Sep 65.]

1/1

KOVACS, Endre; CSIKOS, Attila

Railroad diesel engines. Jarmu mezo gep 10 no.10:396-398 O '63.

KOVACS, Erno

Determination and exploitation of reserves in idle times. Munka szemle 8 no. 2:27-29 F '64.

KOVACS, Erno; MOLNAR, Attila

Analysis of the time of overstay of the Hungarian State Railway cars in the Csepel Iron and Steelworks. Munka szemle 8 no. 7: 29-32 Jl '64.

KOVACS, Erno

Experience in analyzing the use of overtime hours at the Csepel Iron-and Steelworks. Munka szemle 8 no.12:24-26 D '64.

Kovacs, E

ZADOR, I.; KOVACS, E.

Effect of gynergen on blood sugar. Magy.belorv.arch. 3 no.1:41-42 '50. (CIML 19:3)

1. Psychiatric and Neuropathological Clinic (Director -- Dr. Bela Horanyi), Peter Pazmany University, Budapest.

KOVACS, F. 1951

(3rd Surg. Clinic & Koltoi Anna Krankenhaus, Budapest)

"The Coagulation-Accelerating Factor of Serum."

Acta Physiologica (Budapest), 1951, 2/1 suppl. (21-22)
No. abst. in Exc. Med.

PASTINSZKY, I.; KOVACS, E.; GESZTI, O.

Hypoprothrombinemia in herpes zoster. Borgyogy vener. szemle 5 no.6: 165-168 Dec 51.
(CIML 21:4)

1. Doctors.

HORN, Z.;KOVACS, E.;ALTMANN, O.

The value of coagulogram in the diagnosis of thrombosis. Orv. hetil. 92 no.15:466-472 15 Apr 1951. (CLML 24:5)

1. Doctor for Horn and Kovacs. 2. Third Surgical Clinic (Director -- Prof. Borisz Petrovszkij) of Lorand Eotvos University and Laboratory (Director -- Prof. Dr. Zoltan Horn) of Anna Koltoi State Casualty Hospital, Budapest.

KOVACS, E.;GESZTI, O.;STEFAITS, G.;LOVANYI, I.

Changes of the blood coagulation factors after surgery. Magy. belorv. arch. 5 no.3:122-127 Sept 1952. (CLML 25:5)

1. Doctors. 2. People's Army Sanitation Service.

KOVACS, E.;GESZTI, O.

Idiopathic hypoprothrombinemia. Orv. hetil. 93 no.2:56-59 13 Feb 1952. (CLML 23:2)

1. Doctors. 2. Anna Koltoi State Casualty Hospital.

KOVACS, E. GESZTI, O.

Blood coagulation in leukemia. Orv. hetil. 93 no. 23: 669-673
8 June 1952. (CLML 23:3)

1. Doctors. 2. Laboratory (Head -- Head Physician Maria Langfelder),
Trefort-utca Dispensary.

KOVACS, E.; GYENEI, M.

Dicoumarin test in liver function test. Orv. hetil. 94 no.18:490-493 3 May 1953. (CIML 24:5)

1. Doctors. 2. Hungarian People's Army Sanitation Service.

HORN, Z.;KOVACS, J.;ALTMANN, O.

The dicoumarin problem. Orv. hetil. 94 no.23:627-632 7 June 1953.
(CLML 25:1)

1. Doctor for Horn and Kovacs. 2. Fourth District Arpad Hospital (Director -- Dr. Jeno Lazarits), Central Laboratory of Karolyi Hospital (Acting Director -- Dr. Laszlo Ujszaszy), and Hungarian People's Army Sanitary Service.

KOVACS, E.;PREHAL, G.

March hemoglobinuria. Orv. hetil. 94 no.24:666-668 14 June 1953.
(CIML 25:1)

1. Doctors. 2. Hungarian People's Army Sanitation Service.

KOVACS, Ervin

FORGACS, Jozsef, dr.; KOVACS, Ervin, dr.

Placentar permeability of the blood coagulation factors. Magy. noorv. lap. 17 no.4:216-221 July 54.

1. A Magyar Nephadsereg Egeszsegygyi Szolgalatanak kozlemenye.
(BLOOD COAGULATION,
placentar permeability of the blood coagulation factors)
(PLACENTA, physiology,
permeability of blood coagulation factors)

TURI, Karoly,; KOVACS, Ervin.

Extensive hemorrhage following surgery of meibomiasis in complete absence of the factor activating thrombokinase. Szemeszet 91 no.4:166-168 Nov 54.

1. A Magyar Nephadsereg Egeszegugyi Szolgalatanak kozlemenye.
(HEMORRHAGIC DIATHESIS,
absence of thrombokinase activating agent in meibomiasis, postop. hemorrh.)
(EYELIDS, diseases,
meibomiasis, surg., postop. hemorrh. in complete absence of thrombokinase activating factor.)

FORGACS, Jozsef, dr.; KOVACS, Ervin, dr.; KOROM-BENDE, Sandor, dr.

Observation and therapy of obstetric thromboembolism.
Magy. noorv. lap. 18 no.4:236-241 July 55.

1. A Honved Tiszti Korhaz szulo-nobeteg osztalyanak es a Tetenyi uti Korhaz szulo-nobeteg osztalyanak kozlemenye.
(THROMBOEMBOLISM, in pregn.
diag. & ther. (Hun))
(PREGNANCY, compl.,
thromboembolism, diag. & ther. (Hun))

KOVACS, Ervin, dr.

Immunohematology. Orv. hetil. 96 no.12:309-317 20 Mar 55

1. A Magyar Nephadsereg Egeszegugyi Szolgalatanak Kozlemenye.
(HEMATOLOGY,
immunohematol.)
(IMMUNOLOGY,
immunohematol.)

KOVACS, Ervin, dr.,; RANKY, Erno, dr.,; KERTESZ, Edith, dr.,; HOLL, Kalman, dr.

Familial idiopathic hypoconvertinemia (absence of the VII factor)
Orv. hetil. 96 no.14:378-383 3 Apr 55

1. A Magyar Nephadsereg Egeszsegugyi Szolgalatanak kozlemenye.
(HEMORRHAGIC DIATHESIS
factor VII deffic., idiopathic, familial.)

Kovacs, E.

ROMANIA / Virology. Human and Animal Viruses. Hepatitis Viruses. B-3

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 90634

Authors : Bukuresti, L.; Ehrne, L.; Hillmann, V.; Gross, E.; Kovacs, E.; Csiki, I.; Csagri, R.

Inst : NA given

Title : Polarographic Studies in Epidemic Hepatitis.

Orig Pub : Rev. med. (RPR), 1956, 2, No. 2, 16-22.

Abstract : No abstract given.

Card 1/1

GONDA, Endre, dr.; RADO, Janos, dr.; KOVACS, Ervin, dr.

Venomotor tonus in circulatory diseases. Orv. hetil. 97 no.8: 205-210 19 Feb 56.

1. A Janos Korhaz (igazgato: Bakacs Tibor dr.) II. sz. Belosztalyanak (foorvos: Fodor, Imre dr., az orvostudomanyok kandidatusa kozlemenye.

(CARDIOVASCULAR DISEASES
circ. disord., venomotor tonus in (Hun))
(VEINS, physiol.
venomotor tonus in circ. disord. (Hun))

KOVACS, Ervin, dr.

Clinics of immune thrombocytopenia. Orv. hetil. 97 no.35: 957-960 26 Aug 56.

1. A Maguar Nephadsereg Egeszsegugyi Szclgalatanak kozlemenye.
(PURPURA, THROMBOPENIC, etiol. & pathogen.
autoantibodies, in thrombocytopenia (Hun))
(ANTIBODIES
autoantibodies in etiol. of thrombocytopenia (Hun))

KOVACS, Ervin, dr.

Blood coagulation disorders in the etiology of hemorrhagic diathesis. Orv. hetil. 97 no.41:1121-1130 8 Oct 56.

1. A Magyar Nephadsereg Egeszeguty Szolgalatanak kozl.
(BLOOD COAGULATION
disord. in etiol. of hemorrh. diathesis, classif. (Hun))
(HEMORRHAGIC DIATHESIS, etiol. & pathogen.
blood coagulation disord., classif. (Hun))

KOVACS, E., Dr.; BERNAT, J., Dr.

The influence of some factors on iron absorption and the efficacy of iron therapy. Ther. hung. no.5:15-24 1957.

1. From the Karolyi Sandor Municipal Hospital (Director: Dr. J. Lazarits) Budapest.

(IRON
absorp. mechanism & efficacy of various pharmaceutical prep.)

KOVACS, E.

KOVACS, Ervin, Dr.; PASTINSZKY, Istvan, Dr.

Pathomechanism of the decrease of thrombocyte number (thrombocyte mobilization reaction) in hot and cold urticaria. Borgyogy. vener. szemle 11 no.5:177-185 Oct 57.

(URTICARIA, blood in
thrombocyte mobilization reaction in hot & cold urticaria (Hun))

FORGACS, Jozsef; KOVACS, Ervin; ELEK, Emil

Blood coagulation changes in severe cases of precocious detachment of the placenta with adhesion on the usual sites. Magy. noorv. lap. 20 no.6:363-367 Dec 57.

1. A Honved Tiszti Korhaz Szulo, Nobeteg osztalyanak es a Tetenyi uti Korhaz Szulo Nobeteg osztalyanak kozlemenye.

(PLACENTA
abruption, disord. of blood coagulation in (Hun))
(BLOOD COAGULATION, in pregn.
disord. in placental abruption (Hun))

PASTINZKY, Istvan; Kovacs, Ervin; VANKOS, Jozsef

Iron loading tests in various dermatoses. Borgyogy. vener. szemle 12 no.3:117-123 June 58.

(SKIN DISEASES, metab.
tissue iron content determ. by iron loading tests (Hun))

(IRON, metab.
in skin dis., tissue iron content determ. by iron loading tests (Hun))

KOVACS, Ervin; BEDO, Klara

A case of congenital familial hemorrhagic thrombocyte dystrophy (Bernard-Soulier disease). Orv. hetil. 100 no.11:408-410 15 Mar 59.

1. A Karolyi Sandor Korhaz (igazgato: Lazarits Jeno dr.) laboratoriumanak (foorvos: Horn Zoltan dr. Kandidatus es a Fovarosi Arpad korhaz (Igazgato: Lorand Sandor dr. Kandidatus) Csecsemo es Gyermekosztalyanak (foorvos: Ballo Tibor dr.) kozlemenye.
(HEMORRHAGIC DIATHESIS, case reports
congen. familial hemorrhagic thrombocyte dystrophy (Hun))

KOVACS, Ervin, dr.

The role of copper in hematopoiesis. Orv.hetil 100 no.44: 1569-1573 N '59.

1. A XIII. ker. Tanacs Robert Karoly Koruti Korhaza (igazgato: Krasznai Ivan dr.) Laboratoriumanak (foorvos: Kovacs Ervin dr.) kozlemenye.

(HEMATOPOIESIS physiol.)
(COPPER blood)

KOVACS, Ervin, dr.; ADLER, Miklos, dr.; BOJSZKO, Imre, dr.; PARADI, Zoltan, dr.

Therapeutic experiences with the new synthetic coumarin derivative, syncumar. Orv. hetil. 101 no.13:448-452 27 Mr '60.

1. Fovarosi Robert Karoly koruti Korhaz, Laboratorium es II. sz. Belosztaly.
(COUMARINS ther.)

KOVACS, Ervin I.

Genetical examination of coleoptil and mesocotyl growth in corn (maize). Biol kozl 9 no.2:153-162 '61.

1. Eotvos Lorand Tudomanyegyetem Szarmazas-es Oroklestani Intezet, Budapest.(Igazgato:Dr. Bela Faludi).

CSEBY, Zoltan, dr.; KOVACS, Ervin, dr.

Benzothiazidine derivatives in the treatment of postthrombotic syndrome. Orv. hetil. 102 no.20:923-924 14 My '61.

1. Fovarosi Tanacs VI ker. Szakorvosi Rendelointezet, Sebeszeti Osztalya es a XIII ker. Robert Karoly koruti Korhaz Laboratoriuma.

(THROMBOSIS compl)
(CHLOROTHIAZIDE rel cpds)

KAROLYHAZY, Gyula, dr.; KOVACS, Ervin, dr.; KOVACS, Maria, dr.

New aspects of Quinoseptyl therapy. Orv. hetil. 103 no.29:1362-1364 22 Jl '62.

1. Karolyi Sandor Korhaz, I. Belosztaly Fovarosi Tanacs XIII. ker. Robert Karoly koruti Korhaz, Laboratorium Szovetseg utcai Korhaz, Belosztaly.
(URINARY TRACT INFECTION ther) (SULFONAMIDES ther)

KOVACS, Ervinne

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HUNGARY

BIRO, Istvan, Dr, VARDAY, Jozsef, Dr, BIRO, Istvanne (Mrs), SZEKELY, Lajos, Dr, KAROSAY, Ilona, Dr; technical coworker: KOVACS, Ervinne (Mrs); Graduate Medical Institute, III. and IV. Internal Medicine Department (Orvostovabbkepzo Intezet III. es IV. Belgyogyaszati Tanszek); Medical University of Budapest, II Medical Clinic, Laboratory (Budapesti Orvostudomanyi Egyetem, II. Belgyogyaszati Klinika, Laboratorium); VII.district Council Peterfy Sandor street and XIV. district Council Majus 1 ave Specialist Ambulant Service, Laboratory, Budapest (Budapesti VII. ker. Tanacs Peterfy Sandor utcai es XIV. ker. Tanacs Majus 1 uti Szakorvosi Rendelointezet, Laboratorium)

"The Occurrence of Cryoglobulinemia Based on 9454 Examinations."

Budapest, Orvosi Hetilap, Vol 104, No 5, 3 Feb 63, pages 205-207.

Abstract: [Authors' Hungarian summary modified] Serum was tested for cryoglobulinemia in 7954 diseased patients and 20 showed positive tests. Of 1500 healthy control subjects none showed positive results. Cryoglobulinemia occurs mainly in hematological diseases (5.48 per cent) although it is not extremely rare in mixed medical cases. Its use is recommended in screening tests to detect early stages of disease. [19 Western 6 Hungarian references]

1/1

BIRO, Istvan, dr.; VARDAY, Jozsef, dr.; BIRO, Istvanne, dr.-ne; SZEKELY, Lajos, dr.; KARCSAY, Ilona, dr.; technikai munkatars: KOVACS, Ervinne dr.-ne.

On the incidents of cryoglobinemia based on 9454 examinations.
Orv. hetil. 104 no.5:205-206 3 F '63.
(CRYOGLOBINS)

KOVACS, Ervin I.

Coleoptile and mesocotyl growth in the green and genetically albino maize. Biol kozl 7 no.1/2:45-51 '59.

1. Eotvos Lorand Tudomanyegyetem Szarmazas- es Oroklestani Intezete, Budapest. Igazgato: Dr. Faludi Bela.

KOVACS, Ervin, okleveles villamosmernok, szamito mernok

Noise and vibration problems of squirrel-cage three-phase induction motors. Elektrotechnika 57 no. 6:213-225 Je '64.

1. United Electric Machine Factory, Budapest, X., Gyomroi ut 150/154.

KOVACS, Ervin, okleveles villamosmernok

Phenomenon of supraconduction and its practical application. Elektrotechnika 56 no.9:400-407 S '63.

1. Dinamo Villamosforgogepgyar, Budapest, X., Gyomroi ut 150/154.

GYURKO, Gy.; KOVACS, Erzsebet

Application of gelfoam in experimental splenic injury. Acta chir. acad. sci. Hung. 5 no.2:87-94 '64.

Study of small intestine stenosis following end-to-end anastomosis. Ibid.:105-112

1. Institut fur Chirurgische Anatomie und Operationslehre (Chef: Dr. Gy. Bornemisza) der Medizinischen Universitat, Debrecen.

BOT, G.; KOVACS, E. F.

The effect of ATP on the activity of phosphoglucomutase. Acta physiol. akad. sci. hung. 21 no.1:43-53 '62.

1. Institute of Medical Chemistry, Medical University, Debrecen.

(ADENOSINE PHOSPHATES pharmacology)
(MUTASES metabolism)

1/1

Tests

HUNGARY

LAZAR, Jozsef, Dr; KOVACS, Eva, Dr; Hajdu-Bihar Megye Council, Hospital, Central Laboratory (Hajdu-Bihar Megyei Tanacs Korhaza, Kozponti Laboratorium).

"Modification of the Rappaport-Eichhorn Method of Cholesterol Determination."

Budapest, Orvosi Hetilap, Vol 107, No 47, 20 Nov 66, pages 2235-2236.

Abstract: [Authors' Hungarian summary] The Rappaport-Eichhorn method of serum cholesterol determination was modified by the authors. The 619 mμ wave length is recommended for photometric determination. The interference by a high serum bilirubin content is corrected by a calibration curve set up separately using bilirubin solutions. 1 Hungarian, 4 Western references.

1/1

MALATINSZKY, I.; KOVACS, F.

The culture of Mycobacterium tuberculosis on active adsorbing carbon containing media; preliminary report. Orv. hetil. 94 no.23:626-627 7 June 1953. (CIML 25:1)

1. Doctor for Malatinszky; Departmental Assistant Head for Kovacs. 2. Tuberculosis Department (Head - Head Physician -- Szekszardi Hospital (Director - Head Physician -- Dr. Janos Erdelyi).

[illegible] ANIA

HAVELKA, V; KOVACS, F.

1. Natural Science Faculty of Charles University (Prirodovedecka fakulta Karlovy university), Prague; 2. President Gottwald Pit (Dul President Gottwald), Horni Suchа near Karvina

Prague, Sbornik pro mineralogii a geologii, No 1, 1955, pp 57-6[illegible]

"The Foreburdigal Decay of Carbon in the President Gottwald Mine in Karvina."

FORGACS, Pal, dr.; KOVACS, Ferenc, dr.

On the frequency of caloric nystagmus. Fulorrgegegyogyaszat 10 no.2:59-62 Je'64

1. Budapesti Orvostudomanyi Egyetem Ful-orr-gegeklinikajanak (Igazgato: Varga, Gyula, dr., egyetemi tanar) kozlemenye.

Card 1/1

HUNGARY/Diseases of Farm Animals - Diseases Caused by Helminths. R-3

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50208

Author : Kotlan, Sander; Kovacs, Ferenc
Inst : -
Title : Treatment of Bovine Fascioliasis by Parenteral Administration of Carbon Tetrachloride (Preliminary Report).

Orig Pub : Magyar allatorv. lapja, 1957, 12, No 3, 65-66.

Abstract : An intramuscular CCl_4 injection in a dosis of 6 ml/100 kg proved to be most successful. The preparation, mixed with an equal part of liquid paraffin, was injected into 4 different sites of the muscles of the neck. On the 2nd-3rd day following the injection, loss of appetite and, at times, diarrhea were observed in the animals. These symptoms rapidly disappeared, however. It is emphasized that on farms where the feed contains insufficient Ca amounts, $CaCO_3$ compounds should be given to the animals before

Card 1/2

HUNGARY/Pharmacology. Toxicology. Various Preparations. V

Abs Jour: Ref. Zhur. - Biol., No 22, 1958, 102853

Author : Beres, Tibor; Labdebo, Sandor; Kovacs, Ferenc; Nemeseri, Laszlo; Szeky, Antal; Vizy, Laszlo

Inst : -

Title : The Therapeutic Action of Fulvoacid in Affection of Liver in Animals.

Orig Pub: Magyar allatorv. Lapja, 1957, 12, No. 11, 351-352

Abstract: Fulvoacids (FA) belong to the group of humic acids; their chemical structure and physiologic action are almost unknown. It is known that they stimulate the growth of roots of plants and activate the respiration. There is a great amount of FA in human feces. Peat FA have successfully been used for some years to treat various diseases of the gastro-intestinal tract

Card 1/4

HUNGARY/Pharmacology. Toxicology. Various Preparations. V

Abs Jour: Ref. Zhur. - Biol., No 22, 1958, 102853

and liver in man. FA, introduced perorally (single dose 0.05-0.15 g, daily 0.25-0.5 g), promotes the improvement of appetite, termination of nausea, vomiting, regurgitation and meteorism, as well as intestinal and hepatic colic. FA promotes the normalization of the secretion of gastric juice; by its action diarrheas cease quickly. Considering the beneficial therapeutic effect of FA in various human diseases, experiments were conducted in order to find its suitableness in veterinary science. It was established that FA has no toxic effect. It was established by serologic investigations that the introduction of FA does not promote the formation of antibodies. It was shown in experiments on mice, intoxicated with CCl_4 (I), that FA protects the liver of animals against

Card 2/4

HUNGARY/Pharmacology. Toxicology. Various Preparations. V

Abs Jour: Ref. hur. - Biol., No 22, 1956, 102853

the toxic effect of I to a considerable degree. This has practical significance, since in sheep and large cattle affection of the liver after intramuscular introduction of a mixture of I with paraffin oil is frequently observed. In poisoning with Agaricus bulbosus, the liver is particularly strongly affected. Experiments were conducted with mice (43) and rabbits (21) to which an extract of Agaricus bulbosus was introduced subcutaneously in various doses. After it, to one group of animalsFA was introduced (subcutaneously and internally); to the other group, dimercaptopropanole was introduced intramuscularly; a third, the control group, was not subjected to treatment. All animals of the third group perished while, of the animals which received FA, only 50% perished. It was established by histologic investigation

Card 3/4

HUNGARY/Pharmacology. Toxicology. Various Preparations. V

Abs Jour: Ref. Zhur. - Biol., No 22, 1958, 102853

that in these animals there are only insignificant changes of the liver, while in the rest of the animals severe destructivo-degenerative changes of the liver were discovered. - A. I. Ivanov

Card 4/4

KOVAC, F.

SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: [not given]

Affiliation: Clinic Center - Veterinary Department of the Faculty of Agronomy, Biology, Forrestry, and Veterinary Medicine (Klinicni center - Veterinarski oddelek Fakultete za agronomijo, biologijo, gozdarstvo in veterinarstvo), Ljubljana

Source: Belgrade, Veterinarski glasnik, No 6, 1961, pp 465-472.

Data: "Lumbal Extradural Anaesthesia in Cattle."

Authors:

KOVAC, F.
REBESKO, B.

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HUNGARY

KOVACS, Ferenc, Dr; Veterinary Medical University, Department of Animal Hygiene (Allatorvostudomanyi Egyetem Allathigieniai Tanszeke) (department head: KOVACS, Ferenc, Dr, docent, candidate of Veterinary Sciences).

"Results and Experiences With the Intramuscular Carbon Tetrachloride Treatment of Cattle Fasciolosis."

Budapest, Magyar Allatorvosok Lapja, Vol 6, No 18, June 63, pp 227-231.

Abstract: [Author's English summary modified] The toxicity of Distocain (equal parts of CCl_4 and paraffin oil, containing 0.5 per cent lidocain base) has been tested on cows treated in the field 6-12 times over a 3-5 year period. Changes in the serum protein fractions, total serum bilirubin and liver function were investigated. After slaughter, the site of the injections, liver, endocrine glands, heart, kidney, ovarium, uterus and the central nervous system were examined histologically. Changes in the protein fractions are considered reversible. No disturbances were found in liver function. Lesions characteristic of oil granuloma were found at the site of repeated injections retarding the absorption of the active substance. The histological tests showed no lesions attributable to the treatment, in the organs tested. On the average, 100,000 cattle are being treated yearly by this method. Milk and meat production increased and the number of liver rejections decreased as a result of the treatment. The use of Distocain in amounts of 10 ml/100 kg body weight is recommended with a maximal dosage of 50 ml for a single animal. 9 Western, 10 Eastern European references.

DOSA, Zoltan, okleveles banyamernok, eg[illegible] tanszeveged; KOV [illegible], Ferenc, dr., okleveles banyamernok, egyetem' tanszeveged

Air velocity measurement by fixed anemometers. Bany lap 97 no.6: 383-391 Je '64.

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

KOVACS, Ferenc, dr., oklevelos banyamernok, egyetemi tanarseged

Three characteristics of surface mining in the light of figures.
Bany lap 97 no.7:463-467 Jl '64.

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

KOVACS, Ferenc, dr., okleveles banyamernok, egyetemi tanarseged

Determining the equation for investment costs in opencast working. Bany lap 97 no.11:757-759 N '64.

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

KOVACS, F.

Modification of indications for induced abortion in osteoarticular tuberculosis following streptomycin therapy. Orv. hetil. 91 no.40: 1171-1176 1 Oct 50. (CLML 20:7)

1. Obstetric and Gynecological Clinic (Director--Dr. Ferenc Kovacs) Debrecen University.

KOVACS, F.

Necessity for a more active therapy of adnexitis. Orv. hetil., Budap. 92 no. 47:1513-1518 25 Nov. 1951. (CLML 21:3)

1. Doctor. 2. Budapest State Midwife Instruction Institute (Director -- Prof. Dr. Ferenc Kovacs).

KOVACS, Ferenc

Moot points in maternal and fetal protection in present obstetrical practice. I. Orv hetil 95 no.15:404-410 Ap '54. (KEAL 3:8)

1. Az Allami Szulesnokepzo Intezet (igazgato: Kovacs Ferenc dr. egyetemi tanar) kozlemenye.
(DELIVERY
*maternal & fetal protection, problems)

KOVACS, Ferenc

Moot points in maternal and fetal protection in present obstetrical practice. II. Orv hetil 95 no.16:436-443 Ap '54. (EEAL 3:8)

1. Az Allami Szulesznokepzo Intezet (igazgato:Kovacs Ferenc dr. egyetemi tanar) kozlemenye.
(DELIVERY
*maternal & fetal protection, problems)

KOVACS, F.

Inducing factors of labor onset and characteristics of human uterus function. Acta med. hung. 10 no.1-2:75-109 1956.

1. Staatliche Hebammenlehranstalt, Budapest.
(LABOR, physiol.
onset, mechanism of uterus funct. (Ger))
(UTERUS, physiol.
mechanism of funct. in onset of labor (Ger))

KOVACS, Ferenc, dr.

Causes of commencement of labor and peculiarities of the human uterus. Magy. noorv. lap. 20 no.1:1-24 Feb 57.

1. Az Allami Szuleasznokepzo Intezet kozlemenye (Igazgatotanar: Kovacs, Ferenc, dr.).
(LABOR, physiol.
uterus funct. in initial stage of labor (Hun))
(UTERUS, physiol.
in initial stage of labor (Hun))

KOVACS, FERENCE

KOVACS, Ferenc, dr.

New observations on tuberculosis of female genitalia. Orv. hetil. 98 no.26:693-706 30 June 57.

1. A Budapesti Allami Szulesznokepzo Intezet (igazgato: Kovacs, Ferenc, dr. egyet. tanar) kozlemenye.
(TUBERCULOSIS, FEMALE GENITAL
(Hun))

KOVACS, Ferenc, Dr.; RABATI, Ferenc, Dr.; SIMON, Tamas, Dr.

Experiments by changing uterine pressures during pregnancy. Magy. noorv. lap. 21 no.2:71-84 Apr 58.

1. Az Allami Szuleszno kepzo Intezet kozlemenye. (Igazgato: Kovacs Ferenc dr. egyetemi tanar).

(PREGNANCY, physiol.
eff. of uterine pressure changes induced by infusion of various liquids (Hun))

EXCERPTA MEDICA Sec 15 Vol 12/4 Chest Diseases Apr 59

1012. CLINICAL EXPERIENCES IN 550 CASES OF FEMALE GENITAL TB - Klinische Erfahrungen in 550 Fällen weiblicher Genitaltuberkulose -

Kovács F. and Gavallér I. Staatl. Hebammenlehranst., Budapest; Univ.-Frauenklin., Debrecen - ZBL.GYNÄK. 1958, 80/26 (1000-1046)

Graphs 1 Tables 5

Between 1941 and 1956, 2.5 to 3% of all patients suffered from genital tb, the usual percentage being only 0.1 to 1.5. This high incidence is mainly attributed to the frequent diagnostic curettages of uterus, abscess wall and fistular canal, which are never contraindicated when acute or subacute phenomena are no longer present. Besides, examination of the menstrual blood is of value. Genital tb is important from the point of view of public health, because it is an open form of tb. In addition to spread of the infection to other people, there exists the danger of infection of the live stock by human tb. Out of 550 patients, 464 were married. Of these, 74.3% had primary and 18.3% secondary sterility. Abortion occurred in 5% and extra-uterine pregnancy in 1.9%. Pregnancy coinciding with genital tb causes a condition which is not without danger, especially if the disease remained unrecognized so that no correct treatment could be applied. Sterility is nearly always the first symptom. Of 579 sterile women, 17% had genital tb. Therefore, premarital examination must take into account this possibility. Drug treatment is to be preferred, using isoniazid, PAS and streptomycin, and should preferably be clinical. Surgery should be considered only if drug treatment has failed and severe symptoms make it necessary. Surgical treatment should be supported by chemotherapy; in most cases it will be necessary to remove the uterus and the tubes, but the ovaries can usually be spared, at least partially.

Van Tongeren - Amsterdam (X, 15)

KOVACS, Ferenc, Dr.

Pain in labor and attempts on its elimination. Orv. hetil. 99 no.18: 590-597 4 May 58.

1.(Az Allami Szulesznokepzo Intezet (igazgato: Kovacs Ferenc dr. Egyet. tanar) kozlemenye.
(LABOR
pain, physiol. mechanism & elimination (Hun))

KOVACS, Ferenc, dr.

Data on the significance of female genital tuberculosis in public health. Orv.hetil. 100 no.45:1622-1627 N '59.

1. Az Allami Szulesznokepzo Intezet kozlemenye (igazgato: Kovacs Ferenc dr.).
(TUBERCULOSIS, FEMALE GENITAL)

KOVACS, Ferenc (Budapest, VIII, Rokk Szilard ut 33, Hungary)

Biological interpretation of the nine-month duration of human pregnancy. Acta biol Hung 10 no.3/4:331-361 '60. (EEAI 9:12)

1. State School of Midwifery, Budapest (Head: F.Kovacs)
(PREGNANCY)

KOVACS, Ferenc, dr.

Prenatal infant mortality during 1931-1958. Nepegeszsegugy 41 no.11:316-328 N '60.

1. Kozlemeny az Allami Szulesznokepzo Intezetlol.
(INFANT MORTALITY statist)

KOVACS, Ferenc, dr.

Why does the parturition begin at the end of the ninth month of pregnancy? Orv hetil 101 no.23:796-804 5 Je '60.

1. Allami Szulesznokopzo Intezet.
(LABOR physiol.)

KOVACS, F.

Trends in perinatal fetal mortality in Hungary from 1931-1958. Acta chir. Hung. 2 no.2:177-199 '61.

1. Staaliche Hebammenlehranstalt, Budapest (Direktor: Prof. Dr. F.Kovacs).

(INFANT MORTALITY statist.)

KOVACS, Ferenc, dr.

Problems of sterilization of the female. Orv. hetil. 102 no.28:1297-1301 9 Jl '61.

1. Allami Szulesznokepzo Intezet.

(STERILIZATION, SEXUAL)

KOVACS, Ferenc, dr.

Paroxysmal paralysis simulating poliomyelitis. Orv. hetil. 98 no.1-4:16-18 Jan 57.

1. A Laszlo korhaz kozlemenye.
(PARALYSIS
paroxysmal, simulating polio., differ. diag. value of potassium chloride (Hun))
(POLIOMYELITIS, BULBAR, differ. diag.
paroxysmal paralysis, value of potassium chloride (Hun))
(POTASSIUM
chloride, in differ. diag. of polio. & paroxysmal paralysis (Hun))

KOVACS, Ferenc, Dr.; GONDA, Gyorgy, Dr.

Intracranial vagus nerve tumors in childhood. Gyermekgyogyaszat 9 no.8-9: 232-237 Aug-Sept 58.

1. A Fovarosi Tanacs Laszlo Korhaz (Igazgato: Dr. Ferencz Pal) gyermek-osztalyanak kozlemenye.

(NERVES, VAGUS, neoplasms
intracranial tumor of vagus nerve in child, case report
(Hun))

BUGAR-MESZAROS, K.; KOVACS, F.; FONO, J.

Anticoagulants in cerebral thrombosis and embolism. Acta med.hung. 16 no.3:329-336 '60.

1. 1st Department of Medicine (Head: K.Bugar-Meszaros), Istvan Hospital, Budapest.
(ANTICOAGULANTS ther)
(CEREBRAL EMBOLISM AND THROMBOSIS ther)

BUGAR-MESZAROS, Karoly, dr.; KOVACS, Ferenc, dr.; FONO, Jozsef, dr.

On anticoagulant therapy of cerebral embolism and thrombosis.
Orv. hetil. 101 no.14:478-481 3 Ap '60.

1. Fovarosi Istvan Korhaz I. Belosztaly.
(CEREBRAL EMBOLISM AND THROMBOSIS ther.)
(ANTICOAGULANTS ther.)

KOVACS, Ferenc, dr.; DUDAS, Pal, dr.; SARKOZY, Katalin, dr.

Viral encephalitis in childhood. Gyermekgyogyaszat 12 no.9:257-265 S '61.

Budapest Laszlo Hospital for Infectious diseases

1. A Budapesti Laszlo fertozo korhaz kozlemenye.

(ENCEPHALITIS in inf & child)
(ENCEPHALITIS EPIDEMIC in inf & child)

KASZA, L., dr.; SZEGO, V., dr.; SZILAGYI, D., dr.; KOVACS, F., dr.

Chronic hyperbilirubinemia with conjugated bilirubin in the blood and normal hepatic structure (Rotor type). Med. intern. 14 no.8: 993-997 Ag '62.

1. Lucrare efectuata in Clinica de boli infectioase, I.M.F. Tirgu-Mures.

(HYPERBILIRUBINEMIA)

MURANYI, Laszlo, dr.; BODA, Domokos, dr.; KOVACS, Ferenc, dr.; UHL, Karoly, dr.

Experience with artificial respiration combined with muscle relaxation in acute spastic conditions in infants. Orv. hetil. 103 no.25:1173-1176 24 Je '62.

1. Fovarosi Laszlo Korhaz.
(SPASM in inf & child) (INFANT NEWBORN dis)
(RESPIRATION ARTIFICIAL in inf & child) (CURARE ther)

BODA, Domokos, dr.; KOVACS, Ferenc, dr.; BARANYAI, Elza, dr.

Our diagnostic methods in suspected poliomyelitis cases following Sabin vaccination. Orv. hetil. 104 no.15:690-695 14 Ap '63.

1. Fovarosi Laszlo Korhaz. Capital City Laszlo Hospital

(POLIOVIRUS VACCINE, ORAL) (POLIOMYELITIS) (ENCEPHALITIS) (MENINGITIS) (BRAIN NEOPLASMS) (FACIAL PARALYSIS) (MUSCULAR DYSTROPHY) (POISONING) (RHEUMATIC FEVER) (CONTUSSION)

HUNGARY

DESI, Illes, BALOGH, Attila, ZAHUMENSZKY, Zille, KOVACS, Ferenc; Medical University of Budapest, Neuro-Pathophysiological Laboratory of the Pathophysiological Institute (Budapesti Orvostudomanyi Egyetem, Korelettani Intezetenek Idegkorelettani Laboratoriuma).

"Effect of Aromatic Hydrocarbons on the Frequency of Cerebrocortical Strychnine-Spike Bursts."

Budapest, Kiserletes Orvostudomany, Vol XVIII, No 4 Aug 66, pages 410-417.

Abstract: [Authors' Hungarian summary] The central nervous systemic effects of benzene and xylene were studied. The method involved observation of changes in the frequency of spike bursts evoked by the placement of strychnine on the exposed cerebral cortex. The data obtained suggest the possibility that, when administered acutely into the organism (in 0.7 ml/kg amounts), benzene and xylene also attack some point in the brain stem in addition to their cortical paralyzing effect. 6 Eastern European, 12 Western references. [Manuscript received 24 Aug 65.]

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respiratory and motor centers. The average age of the deceased patients was 49 years; of those recovered it was 22 years; 39 patients recovered with

KOVACS, Ferenc

Labor safety questions of the mechanization of transportation and loading. Munkavedelem 6 no.4/6:13-15 '60.

1. Szakszervezetek Orszagos Tanacsa Munkavedelmi Tudomanyos Kutato Intezete, es "Munkavedelem" technikai szerkesztoje.

KOVACS, Ferenc

Hand-operated transport facilities. Munkavedelem 6 no.10/12:16-21 '60.

1. Szakszervezetek Orszagos Tanacsa Munkavedelmi Tudomanyos Kutato Intezete es "Munkavedelem" technikai szerkesztoje.

KOVACS, Ferenc; CZIRAKY, Istvan

Hydraulic transport and elevator equipment. Munkavedelem 8 no.7/9:26-27 '62.

1. Szakszervezetek Orszagos Tanacsa Munkavedelmi Tudomanyos Kutato Intezet. 2. "Munkavedelem" technikai szerkesztoje (for Kovacs).

KOVACS, F.

Automatic limitation of short-circuit current or rather output. p. 7.

VILLAMOSSAG. (Magyar Elektrotechnikai Egyesulet) Budapest, Hungary.
Vol. 7, no. 1/2, 1959.

Monthly list of East European Accessions (EEAI). LC. Vol. 8, no. 2, July 1959.

Uncl.

KOVACS, Ferenc

Designing intermediate-frequency amplifier by Hungarian-made transistors. Radiotechnika 10 no.6:183-185 Je '60

KOVACS, Ferenc

Books on the electric-power industry. Musz elet 15 no.10:14 My '60. (EEAI 9:8)

(Hungary--Electric power)

KOVACS, Ferenc

Transistor intermediate frequency parameter measuring instrument.
Meres automat 9 no.5:138-142 '61.

1. Hiradastechnikai Ipari Kutato Intezet.

KOVACS, Ferenc

Establishing 350 kV networks. Villamossag 9 no.9:261-269 S '61.

KOVACS, Ferenc

Neutralization of transistor amplifiers. Radiotechnika 11 no.5:152-154 My '61.

H/009/62/000/001/001/003
D286/D304

9.4310

AUTHOR: Kovács, Ferenc

TITLE: High frequency properties and equivalent circuit of drift transistors

PERIODICAL: Híradástechnika, no. 1, 1962, 6 - 13

TEXT: The main factors limiting the high frequency amplification of junction transistors are the finite transit time in the base, the junction capacitances, and the base resistance. To increase the frequency working range, the base width may be reduced. However, a base width of a few μ presents technological difficulties and increases the possibility of a breakdown. An appreciable reduction in the transition time is achieved by creating a drift field by means of a suitable distribution of the impurities in the base. This field accelerates the minority carriers towards the collector. Starting from the basic equations for the distribution of the majority carrier density in the n-type base, an equation is derived for the distribution of impurities in the base to produce a uniform field. It is assumed that the doping is heavy and hence the number of donors is

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always much larger than the number of intrinsic electrons. Using a differential equation for the hole concentration in the base, equations are derived for the changes in the hole current due to changes in the emitter and collector potential. With the aid of the expressions derived for the hole currents, hole admittances, electron currents and electron admittances, an equivalent circuit is obtained. The theoretical value of the base emitter and base collector capacitances is given, assuming an abrupt change between p- and n-type materials. Finally the main characteristics of the diffusion and drift transistors are compared and it is shown that the application of a drift field increases the cut-off frequency, and also improves the low frequency properties of the transistor. There are 3 figures and 5 references: 1 Soviet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows: Moll and Ross, Proc. IRE, 44, no. 1, 72, 1956; Almond and McIntyre, RCA Review, Sept. 1957.

ASSOCIATION: A híradástechnikai tudományos egyesület tagja, híradástechnikai ipari kutató intézet (Member of the Scientific Association for Telecommunications, Research Institute for Telecommunications)

KOVACS, Ferenc

Measuring transistor admittance parameters on short waves. Meres automat 10 no.1:13-18 '62.

1. HIKI.

KOVACS, Ferenc

"Electrical engineering" by Bertalan Vigh, Jeno Gardonyi. Reviewed by Ferenc Kovacs. Villamossag 11 no.4:106 Ap '63.

1. "Villamossag" szerkesztoje.

JOSFAY, Gyorgy; BERNHARDT, Gyula, szakmunkas, hibamegallapito csoportvezeto, hatvanhetszeres ujito; SPRENGER, Kornel, uzemtechnikus; GYOROK, Jozsef; BALOGH, Nandor, ujitasi eloado; KOVACS, Ferenc, ujitasi eloado; KOCSIS, Laszlo, fomerok

Two questions on the role of television in the field of innovations. Ujit lap 15 no.17:10 10 S '63.

1. Csepel Vas- es Femmuvek Eromu es Szolgaltato Uzeme.

KOVACS, Ferenc, fomernok

Relations of the development of the basic network and the medium-voltage network. Elektrotechnika 53 no.10:465-469 '60.

1. Nehezipari Miniszterium Villamosenergiaipari Igazgatosag csoportvezetoje.

OSZTROVSZKY, Gyorgy; Schiller, Janos; PALFI, Laszlo, okleveles villamosmernok; BOZSIK, Ferenc; GYORI, Attila, okleveles villamosmernok, foenergetikus; VARGA, Endre, okleveles gepeszmernok; TURAN, Gyorgy, okleveles gepeszmernok; SZENDY, Karoly, dr., fokonstruktor; KOVACS, Ferenc, okleveles villamosmernok; CSILY, Jeno, fodiszpecser; BEREZNAY, Frigyes, fomernok; PALOS, Ferenc, okleveles mernok; FILARSZKY, Zoltan, okleveles gepeszmernok; NEMETH, Imre, okleveles villasmosmernok, fomernok; ALPAR, Imre, okleveles gepeszmernok, foenergetikus; GATI, Geza, okleveles villamosmernok; BEKE, Gyula, okleveles gepeszmernok; VISNYOVSZKY, Endre, foeloado; VERKITS, Gyorgy, okleveles villamosmernok, fomernok; FUTO, Istvan, oklevels gepeszmernok; NAGY, Karoly; PIKLER, Ferenc; SZEPESSY, Sandor, okleveles gepeszmernok; NADAY, Zoltan, okleveles gepeszmernok, fotechnologus; BUCHHOLCZ, Janos, okleveles gepeszmernok, fomernok

An account of the 11th itinerant meeting of the Hungarian Electrotechnical Association held in Pecs, July 18-20, 1963. Energia es atom 16 no.12:559 D '63.

(Continued on next card)

KOVACS, Ferenc, okleveles gepeszmernok

Present state and development trends of the automation of electric networks. Elektrotechnika 57 no. 6:197-201 Je '64.

1. Network Director, Hungarian Electric Works, Budapest, I., Iskola u.13.

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ACC NR: AP6007046 SOURCE CODE: HU/0018/65/017/003/0284/0294

AUTHOR: F. Kovacs, Edit--F. Kovach, E.; Bot, Gyorgy--Bot, D.

ORG: Institute of Medical Chemistry, Debrecen (Orvosi Vegytani Intezet)

TITLE: Inhibition of phosphoglucomutase with anions, phosphate esters and Mg^{++} ions

SOURCE: Kiserletes orvostudomany, v. 17, no. 3, 1965, 284-294

TOPIC TAGS: enzyme, magnesium, negative ion, organic phosphorus compound, animal physiology, biochemistry, cell physiology

ABSTRACT: Phosphoglucomutase is inhibited more by $MgSO_4$ than by $MgCl_2$. The inhibition by Na_2SO_4 is also greater than by NaCl. The mutase inhibitory (m.i.) effect of anions (fluoride, chloride, sulfate, phosphate, pyrophosphate) cannot be decreased with Mg^{++}ion. The m.i. effect of these anions is in competition with G-1,6-P_2, the coenzyme of mutase. The m.i. effect of NaF cannot be diminished with excess Mg^{++} or with G-1-P; the inhibitory effect of the fluoride ion is also in competition with the G-1,6-P_2. The m.i. effect of phosphate esters (ADP, AMP, UDP, UDPG and 6-P-gluconic acid) is also competitive to G-1,6-P_2. The m.i. effect of ATP and UTP can be decreased by the addition of Mg^{++} ion and can be completely suspended by the combined addition of G-1,6-P_2 and Mg^{++} ion. The excess of Mg^{++} ion brings about a mutase inhibition in competition with G-1,6-P_2.

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which can be suspended with G-1, 6-P_2. Orig. art. has: 9 figures and 4 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 31Jul64 / ORIG REF: 002 / OTH REF: 016

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