

专题文献索引

同位素在人体及动物生理学上的应用

中国科学技术情报研究所

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編 輯 說 明

目前，同位素示踪法被广泛应用于生理学、生物化学、微生物、昆虫学、植物生理学等生物学学科的研究中，在我国第一座原子反应堆的建成，并相继也建成了回旋加速器，这将产生出许多种放射性同位素，供给科学研究的应用。为了配合全国各地开展此项研究工作，我们翻译了这个索引，供有关单位参考。

本索引系根据同位素在美国的研究和应用的索引（1946—1957年）美国原子能委员会技术情报服务局编辑（Isotopes. A Bibliography of United States Research and Application）并收集苏联生物物理、生物化学、生理学、微生物、国外期刊论文分类索引（1955—1957）（Внофизика Биохимия Физиология Микробиология Систематический Указатель Статей в Иностранных Журналах）和苏联部分国内期刊等编辑而成。

由于时间匆忙，人力不足，以及对这方面知识有限，虽然在编辑过程中，竭尽我们之能力，但疏漏不周，翻译及编排不当等错误在所难免，恳切盼望国内学者与工作同志给予批评与指教！

人 体 生 理 学

从食物中对放射性铁的吸收

(Absorption of Radioiron from Foods. C. V. Moore and R. Dubach.), Science 116, 527 (1952). 00001

从富有铁的面包中对放射性铁的吸收

(Absorption of Radioiron from Iron Enriched Bread. R. Steinkamp, R. Dubach, and C. V. Moore.), Federation Proc. 13, No. 1, 479 (1954). 00002

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(Artificial Differences in the Distribution of T-1824 and I¹³¹-Labeled Albumin Resulting from Mixing Prior to Administration. N. Freinkel, G. E. Schreiner, J. W. Athens, C. W. Hiatt, and B. Breese.) J. Lab. Clin. Med. 43, 215-26 (1954). 00004

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(Ascitic Fluid and Plasma Protein Exchange. Studies with Radioiodinated Human Serum Albumin. F. K. Bauer, W. H. Blahd, and M. Fields.) J. Clin. Invest. 32, 553 (1953). 00005

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(The Blood Volume in Pregnancy as Determined by P³² Labeled Red Blood Cells. N. I. Berlin, C. Goetsch, G. M. Hyde, and R. J. Parsons.) Surg. Gynecol. Obstet. 97, 173-6 (1953). 00007

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(Body Sodium and Potassium. I. Simultaneous Measurement of Exchangeable Sodium and Potassium in Man by Isotope Dilution. A. H. James, L. Brooks, I. S. Edelman, J. M. Olney, and F. D. Moore.) Metabolism, Clin. Exptl. 3, 313-23 (1954). 00008

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(Body Sodium and Potassium. III. Interrelated Trends in Alimentary, Renal and Cardiovascular Disease; Lack of Correlation between Body stores and Plasma Concentration. F. D. Moore, I. S. Edelman, J. M. Olney, A. H. James, L. Brooks, and G. M. Wilson.) Metabolism, Clin. Exptl. 3, 334-48 (1954). 00010

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I¹³¹标记甲状腺素在黏液水肿正常甲状腺和人为甲状腺机能亢进中的分佈

(The Disposal of I-131-Labeled Thyroxine in Myxedema, Euthyroidism, and Artificial Hyperthyroidism. P. C. Johnson. J. Lab Clin. Med. 40, 815-6 (1952).

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静脉内给予变性人类球蛋白的分佈和命运及其对血液容积的影响以I¹³¹标记球蛋白来研究

(Distribution and Fate of Intravenously Administered Modified Human Globin and Its Effect on Blood Volume. Studies Utilizing I-131 Tagged Globin. S. A. Berson, R. S. Yalow, J. Post, L. H. Wisham, K. N. Newerly, M. J. Villazon and O. N. Vazquez.) J. Clin. Invest. 32, 22-32 (1953).

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进入腹水液的I¹³¹标记的人类血清白蛋白的分佈:三个分室转移系统在人体中的动力学分析和对可能的降解位置的推测

(The Distribution of I-131 Labeled Human Serum Albumin Introduced into Ascitic Fluid: Analysis of the Kinetics of a Three Compartment Catenary Transfer System in Man and Speculations on Possible Sites of Degradation. S. A. Berson and R. S. Yalow.) J. Clin. Invest. 33, 377-87 (1954).

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