The Medical Research Center

Brookhaven National Laboratory

Upton, L. I., New York

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REPOSITORY Records Holding Area Bldg 494

COLLECTION Protocols - ~~Atomic Research~~ Clinical

BOX No. 4

FOLDER Human Protocols 1950-1963

1176053

REQUESTS FOR USE OF ISOTOPES IN HUMANS

Project No.	Isotope	Purpose	Doctor
H-1	I-131	Graves disease, metastatic carcinoma of thyroid	L. E. Farr
H-2	Na-24	Water & electrolyte studies	Robertson
H-3	P-32	treatment of leukemia	Love
H-4	D_2O	Measure of body water	Robertson
H-5	K-42	Measurement of intra- & extra-cellular body water	Robertson
H-6	P-32	Blood volume, polycythemia	Foster
H-7	Na-24	therapeutic agent in humans	Robertson
H-8	I-132	therapeutic agent in humans	Robertson
H-9	I-132	Tracer studies	Robertson
H-10	I-131	therapeutic agent	Robertson
H-11	I-131	Tracer studies	Robertson
H-12	H-3(tritium)	Tracer in humans	Robertson
H-13	K-42	Tracer in children	Robertson
H-14	A-41	Therapeutic agent in humans	Robertson
H-15	B-10	Treatment of brain tumor	Farr & Robertson
H-16	Cr-51	Tracer in children	~~Sinex~~ missing
H-17	Fe-59,55	Tracer studies in humans	missing (Foster)
H-18	S-35	Tracer studies, children	~~missing~~ SINEX
H-19	Cl-38	Treatment advanced cancer	Foster
H-20	C-14 Methionine	Tracer - terminal patients	Robertson
H-21	C-14 Amino Acids	Tracer - terminal patients	Robertson
H-22	Br-82	Tracer studies	Gamble
H-23	Cl-38	Tracer studies - terminal patients	Gamble
H-24	Co^{60}-labeled Vit. B_{12}	Tracer studies	L. Meyer
H-25	Kr-87	Therapeutic use	Steinfield
H-26	Br-80	Therapeutic use	Steinfield
H-27	circ #5 Na-24	study - hypertension	Dahl
H-28	K-24	study - hypertension	Dahl
H-29)	K-42	tracer in humans	Lewallen
H-30)	I-131	tracer in humans	Lewallen
H-31)	Cl-38	tracer in humans	Lewallen
H-32)	Na-24	tracer in humans	Lewallen

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Proj. No.	Isotope	Purpose	Doctor
H-33	I-132	Tracer - triiodothyronine	Rall
H-34	Ga-72	Therapy - metastatic malignancies	Foster
H-35	Mn-56	therapeutic agent	Maynard
H-36	I-131	tumor localization	Perkins
H-37	I-131	tracer studies	Gitlin
H-38	C-14 acids	Tracer studies	Shreeve
H-39	Cr-51	Tracer studies - children	James
H-40	Mg-28	Tracer - hypertension	Dahl
H-41	C-14 fat	Tracer - cancer	Shreeve
H-42	I-132	Tracer - thyroid	Neil
H-43	Glycerol a-C^{14}	Study of fat metabolism	Gidez, Eder
H-44	Acetate 2-C^{14}	Cholesterol metabolism study	Eder
H-45	Na^{24}	Total body irradiation therapy	Robertson
H-46	Palmitic Acid C^{14}	Fatty Acid metabolism study	Eder
H-47	S-35	(Metabolism of acid mucopoly-(saccharides in rheumatoid (arthritis patients	DiFerrante
H-48	2-C-14-pyruvate	Diabetic Adults	Shreeve
H-49	Mn^{54}	(Tracer studies - Parkinson, (Cancer, polycythemia, rheumatoid (arthritis - turnover & (distribution.	Cotzias & Borg
H-50	Mevalonic acid-2-C^{14}	Metabolism in humans adults.	Eder, Gidex Shreeve
H-51 Circ #1	I-131	I-131 labeled human protein fractions	Lippincott
H-52	Tritium-labeled Thymidine	Study metabolism and tissue uptake in humans	(Bond, Conard, (Cronkite, (Hughes, Rubini (Robertson & (Quastler
H-53	C^{14} glucose	Tracer studies of glycoprotein metabolism in adults	(Popenoe (Wolins
H-54 Circ #54	Na^{24}	Tracer in hospitalized patients	L. K. Dahl
H-55	I-131-labeled serum lipoproteins	tracer studies, use in humans	Scanu, Hughes & Wolins

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Proj. No.	Isotope	Purpose	Doctor Resp.
H-56	C^{14} and H^3	Adults- 2 patients	L. I. Gidez, I. L. Schw
H-57 within scale	Vasopressin labeled with I-131	Turnover studies	L.Silver, I.Schwartz and L.K. Dahl
H-58 no approval 11-5-61	I-131 and Br^{82}	Studies of Gastric Secretion of Halides	R. Cranny and Robert on
H-59 within scale	Linoleic acid	Study of metabolic role in humans	L. I. Gidez, I. L. Schwartz
H-60	I^{131}-labeled human thyroglobulin	Turnover studies; in subjects both normal and with thyroid disorders.	W. Wolins, G. Terre: C. Shellabarger and S. Cohn
H-61 Circ #9	Cs-137, Zn-65, Sr-85	Administer tracer levels in clinical experiment in patients	S.H. Cohn and R. A. Conard
H-62 Circ #3	Fe^{59} in form of Ferric Fe^{59} chloride, Fe^{59} globulin complex & Ferrous Fe^{59} citrate	Administer in selected hospitalized patients	E.P. Cronkite, I. Brodsky and S.A. Killmann
H-63 Circ #4	Co^{60} & Co^{59}-labelled Vit. B_{12}.	Tracer use in humans	Reizenstein, P.G.
H-64 Circ #10	Ca^{47}	Accretion and exchange of Ca^{47} by skeleton	Cohn, S.H., Fine, Lippincott, S.W.
H-65	I^{131}-labeled iodo-deoxyuridine.	External measurement of proliferative activities of human tissue	Hughes, WL, Gitli Farr
H-66 Circ #4	Co^{57}-B_{12}	Extension of permission to use radio-B_{12} (H-63, H-24)	Reizenstein, PG
H-67 Circ #67	Palladium	Use of radioactive Palladium (Pd-103, Pd-109, Pd-111) in cancer therapy	Ariel & Robertson
H-68	Inositol-2-C	Metabolism of Inositol-2-C^{14}	Anderson, L., Hankes, Shreeve, Touster, O.
H-69	Metabolism of tryptophan.		Hankes, Lippinco Brown, Price, & Carson.
H-70	3-hydroxykynurenine-keto-C-14	Metabolism of Tryptophan Metabolites, 3-hydroxykynurenine 3-hydroxyanthranilic Acid and Antrhanilic Acid	L.Hankes, R. Brown, J.Pric

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Proj. #.	Isotopes	Purpose	Doctor Responsible
H-71	NA^{24} and NA^{22}	Use of Na^{24} and Na^{22} in combination as tracers in diabetic patients.	W.Shreeve, R.Schwt
H-72	T-labeled organic compounds.	Investig. possible changes in functioning of the hydrogen carrier system.	W. Shreeve
H-73	Positron emitters As^{72}, As^{74}, Cu^{64}		J. Robertson
H-74	Request for permission to use Hg^{203} in tracer amounts (HG^{203})		L.K. Dahl, L.C. Lax & E.Schack
H-75 Circ #8	C^{14}-labled satiogenic drugs.	Study of absorption distributions, utilization, and oxidation of C^{14}-labeled satiogenic drugs	W.W. Shreev I.L.Schwar Ezra Lamdi
H-76	$Mn5kCl_2$	Use of previously authorized dosages of $Mn^{54}Cl_2$ orally instead of intraveneously (see H-49)	G.C.Cotzias

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