

REVISTA ESPAÑOLA DE FISIOLÓGIA

Volumen 24, 1968

INDICE

Núm. 1

	<u>Pág</u>
LÓPEZ-GORGÉ, J., y E. VILLANUEVA. — Estudios sobre las fosfatasas ácidas de la glándula prostática. I. Aislamiento y purificación; cinética enzimática	1
SANTIAGO, E., F. GUERRA and J. M. MACARULLA. — Effect of Ascorbate on Phospholipids During Mitochondrial Swelling and Lysis	25
SANTIAGO, E., J. J. VÁZQUEZ, F. GUERRA and J. M. MACARULLA. — Ascorbate Induced Lysis of Inner Mitochondrial Membranes. Isolation and Electron Microscopic Studies of Three Subfractions	31
SANTIAGO, E., A. GANSER, J. M. MACARULLA and F. GUERRA. — <i>In vitro</i> Effect of Ascorbate on the Phospholipid Composition of Various Sub-cellular Fractions	37
VÁZQUEZ, J. J., E. SANTIAGO, F. GUERRA and J. M. MACARULLA. — Studies on the Fine Structure of the Rat Liver Inner Mitochondrial Membranes Negatively Stained	43
Cartas al Editor	
SANTIAGO, E., F. GUERRA, J. EUGUI and J. M. MACARULLA. — Lytic Effect of Cysteine and Glutathione on Inner Mitochondrial Membranes	47
LARRALDE, J., y P. FERNÁNDEZ-OTERO. — Influencia del embarazo sobre la absorción intestinal <i>in vitro</i> de glucosa y glicina	49
Crítica de Libros	51

Núm. 2

LÓPEZ-GORGÉ, J. y E. VILLANUEVA. — Estudio sobre las fosfatasas ácidas de la glándula prostática. — II. Factores que influncian la actividad enzimática; caracteres estructurales	63
CABEZAS, J., A. CARRIÓN y J. VÁZQUEZ-PORTO. — Ácidos siálicos. — VII. Composición y modificaciones del contenido de neuraminderivados del calostro humano	85
VENTURA, J. M., C. M. CUCHILLO, E. CONCUSTELL y V. VILLAR-PALASÍ. — Inducción de fosfomonoesterasas en hongos. — I. Inducción enzimática según las condiciones de cultivo.	91
Cartas al Editor	
CABEZAS, J. A., A. CARRIÓN, M. C. GÓMEZ-GONZÁLEZ, and M. RAMOS. — Neuraminic Acids. VIII. Identification of the N-acetyl- and N-glicolyl-neuraminic Acids in Rat Serum, and Study of their Absorption by the Rat Intestine	99
Crítica de Libros	101

Núm. 3

	Pág.
IRANZO, E., A. CHUECA, C. GARCÍA DEL AMO y A. SANTOS RUIZ. — Estudios metabólicos con Zn-65. VIII. Variación de la distribución relativa del Zn-65 en el cobaya	109
LLUCH, M. and F. PONZ. — The Minimum Dose of X-Rays Able to Alter <i>in vivo</i> Intestinal Absorption of Glucose	117
BRUGGER, A. J. y J. A. SALVÁ. — Estudio del antagonismo entre la oxitocina y el Th 1165a en el útero aislado de rata	121
MUÑOZ-CALVO, R., R. COSÍN-GARCÍA y J. LUCAS-GALLEGO. — Influencia hormonal sobre lipólisis en intestino	127
CABEZAS, J. A., M. D. FROIS y J. VÁZQUEZ-PORTO. — Ácidos siálicos. IX. Naturaleza y concentración de los ácidos acilneuramínicos aislados de varios materiales de la especie caprina	133
ARCOS, J. M. — Diferenciación de penicilinasas en <i>Bacillus cereus</i>	137
Cartas al Editor	
LLUCH, M. and F. PONZ. — Radioprotective Action of Cysteamine with Respect to Radiation Produced Alterations in the Intestinal Absorption of Glucose.	147
Crítica de Libros	149

Núm. 4

AZNAR, J., R. BÁGUENA, J. GARCÍA-CONDE and V. ALBEROLA. — The effect of an Synthetic Heparinoid (SP-54) on Platelet Aggregation	155
HEGARDT, F. G. and A. PIE. — Sodium Citrate Salting-out of the Human Blood Serum Proteins	161
BALASCH, J. y J. PLANAS — Efecto de la Amberlita y del CO ₃ Mg en los complejos conalbumina-hierro y transferrina-hierro	169
BRUGGER, A. J., J. A. SALVÁ, M. SOPENA y S. SOTO. — Antagonismo entre Th 1165a y la vasopresina en el útero aislado de rata.	177
CORNUDELLA, L. y F. CALVET. — Coordinación de la α -quimotripsina y de la tripsina con la hematina. I. Obtención y propiedades de los hemocromos.	183
CARRASCO, E., J. MARTÍN-ESTEVE y F. CALVET. — Xantindeshidrogenasa hepática. I. Purificación y propiedades de la humana y de la porcina.	193
PONZ, F. and M. LLUCH. — Effect of Dicumarol on the Intestinal Absorption of Sugars	203
ANTÓN, V y J. BORI. — Acción combinada insulín-sulfamídica sobre la glucemia en perros normales	207
ROMO, E., J. L. OJEDA, B. HERREROS y P. GÓMEZ BOSQUE. — Efecto del Pentotal sobre la respiración del tejido nervioso del embrión de pollo.	211
Cartas al Editor	
LARRALDE, J., A. GIRALDEZ and M. LLUCH. — Differences in the Active Transport by the Intestine of the Rat and the Guinea Pig.	215
Crítica de Libros	219

REVISTA ESPAÑOLA DE FISIOLÓGIA

CONTENTS

Num. 1

	<u>Pag</u>
LÓPEZ-GORGÉ, J., and E. VILLANUEVA. — Study on the Acid Phosphatases of the Prostate Gland. I. Isolation and Purifying; Enzymatic Kinetic	1
SANTIAGO, E., F. GUERRA and J. M. MACARULLA. — Effect of Ascorbate on Phospholipids During Mitochondrial Swelling and Lysis	25
SANTIAGO, E., J. J. VÁZQUEZ, F. GUERRA and J. M. MACARULLA. — Ascorbate Induced Lysis of Inner Mitochondrial Membranes. Isolation and Electron Microscopic Studies of Three Subfractions	31
SANTIAGO, E., A. GANSER, J. M. MACARULLA and F. GUERRA. — <i>In vitro</i> Effect of Ascorbate on the Phospholipid Composition of Various Sub-cellular Fractions	37
VÁZQUEZ, J. J., E. SANTIAGO, F. GUERRA and J. M. MACARULLA. — Studies on the Fine Structure of the Rat Liver Inner Mitochondrial Membranes Negatively Stained	43
Letters to the Editors	
SANTIAGO, E., F. GUERRA, J. EUGUI and J. M. MACARULLA. — Lytic Effect of Cysteine and Glutathione on Inner Mitochondrial Membranes	47
LARRALDE, J., and P. FERNÁNDEZ-OTERO. — Influence of Pregnancy upon the <i>in vitro</i> Intestinal Absorption of Glucose and Glycine	49
Book Reviews	51

Num. 2

LÓPEZ-GORGÉ, J., and E. VILLANUEVA. — Study of the Acid Phosphatases of the Prostate Gland. II. Factors which Influence Enzymatic Activity Structural Characteristics	63
CABEZAS, J. A., A. CARRIÓN and J. VÁZQUEZ-PORTO. — Sialic Acids. VII. Composition and Modifications of the Content of the Neuramin-derivatives from Human Colostrum	85
VENTURA, J. M., C. M. CUCHILLO, E. CONCUSTELL and V. VILLAR-PALASÍ. Induction of Phosphomonoesterases in Microorganisms. I. Enzymatic Induction According the Culture Conditions	91
Letters to the Editors	
CABEZAS, J. A., A. CARRIÓN, M. C. GÓMEZ-GONZÁLEZ and M. RAMOS. — Neuraminic Acids. VIII. Identification of the N-acetyl- and N-glycolyl-neuraminic Acids in Rat Serum, and Study of their Absorption by the Rat Intestine	99
Book Reviews	101

Num. 3

IRANZO, E., A. CHUECA, C. GARCÍA DEL AMO and A. SANTOS-RUIZ. — Metabolic Studies with Zn-65. VIII. Variation of the Relative Distribution of Zn-65 in Guinea Pig	109
LLUCH, M., and F. PONZ. — The Minimum Dose of X-rays Able to Alter <i>in vivo</i> Intestinal Absorption of Glucose	117
BRUGGER, A. J. and J. A. SALVÁ. — Antagonism between Oxytocin and Th 1165a in the Isolated Rat Uterus	121
MUÑOZ-CALVO, R., R. COSÍN-GARCÍA and J. LUCAS-GALLEG0. — Hormones and Intestinal Lipolyses	127
CABEZAS, J. A., M. D. FROIS and J. VÁZQUEZ-PORTO. — Sialic Acids. IX. Nature and Concentration of the Acylneuraminic Acids Isolated from Various Goat Products	133
ARCOS, J. M. — Differentiation of Penicilinases in <i>Bacillus cereus</i>	137
Letters to the Editors	
LLUCH, M. and F. PONZ. — Radioprotective Action of Cysteamine with Respect to Radiation Produced Alterations in the Intestinal Absorption of Glucose	147
Book Reviews	149

Num. 4

AZNAR, J., R. BÁGUENA, J. GARCÍA-CONDE and V. ALBEROLA. — The Effect of an Synthetic Heparinoid (SP-54) on Platelet Aggregation	155
HEGARDT, F. G. and A. PIE. — Sodium Citrate Salting-out of the Human Blood Serum Proteins	161
BALASCH, J. and J. PLANAS. — Effect of Amberlite and MgCO ₃ on Iron-Conalbumin and Iron-transferrin Complexes	169
BRUGGER, A. J., J. A. SALVÁ, M. SOPENA and L. SOTO. — Antagonism Between Vasopressin and Th 1165a on the Isolated Rat Uterus	177
CORNUDELLA, L. and F. CALVET. — Coordination of α -quimotripsin and Tripsin with Hematin. I. Obtention and Properties of Hemochromes	183
CARRASCO, E., J. MARTÍN-ESTEVE and F. CALVET. — Hepatic Xanthine-dehydrogenase. I. Purification and Properties of Human and Pig Hepatic Xanthinedehydrogenase	193
PONZ, F. and M. LLUCH. — Effect of Dicumarol on the Intestinal Absorption of Sugars	203
ANTÓN, V. and J. V. BORI. — Combined Action of Sulfamidic-Insulin on Glucemia in Normal Dogs	207
ROMO, E., J. L. OJEDA, B. HERREROS and P. GÓMEZ-BOSQUE. — Effect of Pentothal on the Respiration of the Nervous Tissue of Chick Embryos	211
Letters to the Editors	
LARRALDE, J., A. GIRALDEZ and M. LLUCH. — Differences in the Active Transport by the Intestine of the Rat and the Guinea Pig.	215
Book Reviews	219