

# Electron Micrographs Of Erythrocytes From Swiss Albino Mice Infected With The Aujeszky Strain Of Pseudorabies

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#### **ELECTRON MICROGRAPHS OF ERYTHROCYTES 397**

ELECTRON MICROGRAPHS OF ERYTHROCYTES In order to determine the infectivity of the erythrocytes obtained from animals in the test group, 36 hamsters (age 16 days) were divided into nine groups of four hamsters each Hamsters from each group were inoculated intraperitoneally with 10 cc of an erythrocyte suspension at the designated time interval

#### **Scanning electron microscopy analysis of erythrocytes in ...**

Scanning electron micrographs of individual variation in erythrocyte morphology a = Discocytes (normal morphology), b = Codocyte, c = Knizocyte, d = Stomatocyte, e = Echinocytes In the current sample of stroke patients, the average percentage of abnormal erythrocytes was

#### **Membrane Microfilaments Erythrocytes: Alteration in Intact ...**

Scanning and transmission electron micrographs of vinblastine-treated erythrocytes Left: Note bowl-and cup-shaped forms, especially alongright border of this scanning electron micrograph; this suggests membrane invagination by a "purse-string" effect More perfect spherocytes, some with

dimples, are noted in the center of the micrograph Right

### **Erythrocyte Membrane: Structure, Function, and ...**

Erythrocytes can undergo two basic shape changes (Fig 2) Normally, erythrocytes appear in the circulation of many mammals as biconcave disks or discocytes The other common erythrocyte shapes are stomatocytes, which are cup-shaped, and echinocytes, which have an ...

### **ELECTRON-MICROSCOPE OBSERVATIONS ON THE ...**

cytes few, and ribosomes are almost completely absent from mature erythrocytes Second, the visibility of the units in the electron micrographs is increased by briefly treating the erythrocytes with sodium citrate prior to fixation This increase is most marked for the mature erythrocytes in the blood of 3-week chicks The reasons for

### **Structural Analysis of the Erythrocytes of Channa ...**

crenated erythrocytes, blood flow as well as viscosity is affected (Reinhart and Chien, 1986) The transformation of normal red blood cells of human to crenated cells can be attributed to extrinsic Figure 2 Scanning electron micrographs of erythrocytes from treated fish showing: (A) ...

### **Erythrocytes are essential for development of cerebral ...**

Erythrocytes Are Essential for Development of Cerebral Vasculopathy Resulting From Subarachnoid Hemorrhage in Cates Thomas A Duff, MD Jeffer, y Louie MD, , John A Feilbach BS, , and Grayson Scott B,S In an effort to determine which blood element as critical play a role in the development of cerebral

### **THE FORM OF HAEMOGLOBIN IN THE ERYTHROCYTES OF ...**

Behnke, 1970) In the electron micrographs from these studies haemoglobin appeared as a homogeneous electron-dense material This communication presents observations made on the fine structure of the erythrocyte of the cod which in haemoglobin appear to have a paracrystalline organization the findings are discussed with

### **Haemopoiesis in the head kidney of tilapia, Oreochromis ...**

Fig 2 Electron micrographs of developing erythrocytes (erythropoiesis) illustrating progressive reduction in cell size and cytoplasmic organelles, condensation of nuclear chromatin and cytoplasmic homogeneity with haemoglobin formation a Proerythroblast has large spherical euchromatic nucleus with

### **AS Level Biology B (Advancing Biology)**

12 A group of students were comparing electron micrographs of three different types of cell: X a macrophage Y a palisade mesophyll cell Z the bacterium Escherichia coli Fig 221 shows erythrocytes on a haemocytometer produced with a dilution of 1 in 200

### **THE OF VOL. No. The Printed in U. S.A. Oxidative Hemolysis ...**

Transmission electron micrographs of erythrocytes during the oxidation The 10% aqueous suspensions of erythrocytes containing 0.34 M NaCl and 10 mM phosphate buffer (pH 7.4) were incubated with 50 mM AAPH in air at 37 °C The suspensions were taken out periodically and subjected to analysis by transmission

### **a Interaction of Cytoskeletal Proteins Review on the Human ...**

Electron micrographs of rotary-shadowed spectrin show the dimer as two loosely intertwined, flexible strands, joined at their ends (Figure 3a) The length of the heterodimer is approximately 100 nm The tetramer, formed by the end-to-end association of two heterodimers (Figure 3b), ...

### **HEMOLYSIS AND MORPHOLOGICAL CHANGES IN RAT ...**

Scanning electron micrographs of rat erythrocytes incubated with 0.2 mM MMC at 37°C for 0, 10, 20 and 30 min are shown in Fig 2. Osmotic fragility of treated cells increased with incubation time. At the same time, progressive morphological changes were observed in a scanning electron microscopic study.

#### **RELEASE OF SPECTRIN-FREE VESICLES FROM HUMAN ...**

uranyl acetate. Electron micrographs were taken with a Zeiss EM 9 S electron microscope. FIG. 1. Electron micrograph of the particles present in the supernate from human erythrocytes aged in vitro for 54 h at 37°C. The particles adsorbed to the grid consist of electron-dense vesicles and larger cell fragments.

#### **Structure Sickled Erythrocytes Sickle-Cell Hemoglobin ...**

micrographs of sections of fixed gels. These arise from the regular side-by-side packing of the fibers. The distances between the fibers in oriented gels are greater than in the erythrocytes, because the hemoglobin concentration is lower. It may seem surprising at first that such loosely packed fibers should pack in a regular lattice, but this is

#### **e-1), Reversal of Knob Formation Plasmodium falciparum ...**

infected cells and erythrocytes infected with ring-stage parasites or K-trophozoites. Fig. 1. Electron micrographs of erythrocytes infected with trophozoites of K' and K- strains (x9000). (A) An erythrocyte infected with a K' clone isolated from strain FVO. (B) A cell infected with a K- subclone derived from a mixed K'-K- culture after nine gelatin separations.

#### **Smoking and fluidity of erythrocyte membranes: A high ...**

morphology of erythrocytes and micrographs were taken at 1 kV accelerating voltage. This instrument is located in the Microscopy and Microanalysis Unit of the University of Pretoria, Pretoria, South Africa.

#### **Fine-Structure of Haemobartonella canis (Rickettsiales ...**

supported by electron microscopy. In electron micrographs, the structural relationship between the parasite and the host cell becomes clear. The organism is attached to the intact plasmalemma of the erythrocyte. Organisms which upon casual observation appear to be within erythrocytes are actually

#### **Effects Single Hit from the Alpha Hemolysin Produced ...**

Scanning electron micrographs taken of samples fixed 5 min after the addition of E. coli alpha-hemolysin (0.5 U/ml) showed that each cell had 10 to 20 small projections, approximately 0.15 µm in diameter, spaced relatively evenly over the membrane surface (Fig. 1). Erythrocytes present these