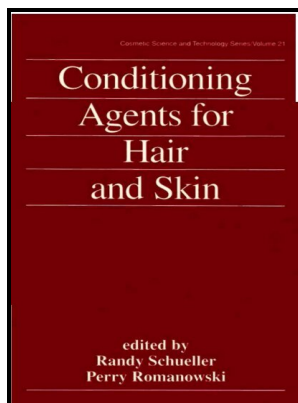


# Studies on membranes prepared under isoionic conditions.

University of Birmingham - Synthesis of Full



Description: -

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Notes: Thesis (Ph.D.) - University of Birmingham, Dept of Biochemistry.

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## Preparation of erythrocyte ghosts by a glycol

The purity of the preparation is comparable with that of material isolated by other procedures and the yield of the purified fraction is appreciably greater. Dystrophic muscle cells, which lack dystrophin, are more susceptible to mechanically induced membrane ruptures, . Use of nucleotide pyrophosphatase and phosphodiesterase I as marker enzymes.

## Preparation and characterization of complexes of liposomes with gold nanoparticles

Protein measurement with the Folin phenol reagent. The extent of such resealing decreased as the number of lyses to which the ghosts had been subjected increased.

## Studies on plasma membranes XVII. On the chemical composition of plasma membranes prepared from rat and mouse liver and hepatomas

A fraction rich in plasma membrane has been isolated from perfused rat liver. A salt-activated inositol 1,3,4,5-tetrakisphosphate 3-phosphatase at the inner surface of the human erythrocyte membrane. This immediately increases myocyte wounding fivefold over resting levels.

## Subcellular localization and partial characterization of adenylate cyclase from rat lung

Enhanced glycolipid:  $\alpha$ -galactosyl-transferase activity in contact-inhibited hamster cells and loss of this response in polyoma transformants. Functional block of kinesin, postulated to drive outward-directed transport of vesicles on microtubules, also inhibited membrane resealing. Inositol hexakisphosphate receptor identified as the clathrin assembly protein AP-2.

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