Investigating the Effects of Heat-Labile Enterotoxins in a Respiratory Immunization Model
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INTRODUCTION

● Heat-Labile Enterotoxins are secreted bacterial proteins with two subfamilies, Type I and Type II.
● Focus on Type II enterotoxins: LT-IIa, LT-IIb, and LT-IIc.
● Goal: To investigate the immune-stimulating response of epithelial cells after treatment with enterotoxins and the therapeutic potential of enterotoxin mediated use in vaccines.

RESULTS

● There were no significant changes in cell complexity detected with flow cytometry after treatment with enterotoxins.
● Cells did not differ in viability with or without the presence of enterotoxins and LPS.
● Next Steps: TEM analysis to study changes in cell membranes.

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