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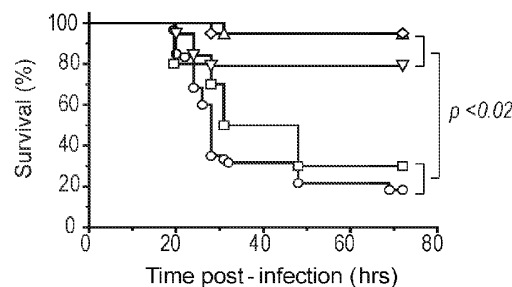
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(54) Title: *ESCHERICHIA COLI* COMPOSITIONS AND METHODS THEREOF

FIG. 23B



(57) Abstract: In one aspect, the invention relates to an immunogenic composition comprising modified O-polysaccharide molecules derived from *E. coli* lipopolysaccharides and conjugates thereof. Multivalent vaccines may be prepared by combining two or more monovalent immunogenic compositions for different *E. coli* serotypes. In one embodiment, the modified O-polysaccharide molecules are produced by a recombinant bacterium that includes a wzz gene.

[Continued on next page]

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