Microbiol. Immunol., 44, 941-944 (2000).

The O-polysaccharide of Lipopolysaccharide Isolted from *Vibrio fluvialis* O19 is Identical to That of *Vibrio* Bioserogroup 1875 Variant

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A structural analysis has been carried out on the O-polysaccharide (LPS) isolated from *Vibrio fluvialis* 181-86 (Kobe) serotype O19 (O19). The O antigen of this strain has the Inaba antigen factor C of O1 *V. cholerae* and factors D and E in common with *Vibrio* bioserogroup 1875. The O-polysaccharide of O19 was characterized as an α-(1→2)-linked homopolymer of *N*-3-hydroxypropionyl-D-perosamine (4-amino-4,6-dideoxy-D-mannopyranose) which was identical to that of *Vibrio* bioserogroup 1875 Variant. Passive hemolysis and passive hemolysis inhibition analysis performed using anti-factor D, E and anti-factor E antisera, demonstrated that the LPS from O19 harbored O-antigenic factors identical to those of the LPS from *Vibrio* bioserogroup 1975 Variant.