New Salmonella Serotype: Salmonella enteritidis ser. Ordonez

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The antigenic formula of a new serotype, Salmonella enteritidis serotype Ordonez, was characterized as (I), 13, 23, 37: y: l, w.

Serological examination indicated that isolate 2227-68 belonged to O group G, reacting in antiserum 1, 13, 23 and with absorbed antisera for 1, 23, and 37 but not 22 and 36. Further testing showed that the O antigens were agglutinated to a titer of 1:800 with S. enteritidis ser. Worthington O antiserum (1, 13, 23, 37). In subsequent absorption tests, all agglutinins were removed from this antiserum.

The flagellar (H) antigens of this strain were designated as y: l, w. The phase 1 antigens were agglutinated to a titer of 1:12,800 by H antiserum of phase 1 (y) of S. enteritidis ser. Madelia. The homologous titer of phase 1 of serotype Madelia was 1:6,400, and all agglutinins were removed by absorption tests with the phase 1 antigens of 2227-68. Phase 2 antigens of this isolate were agglutinated in diagnostic dilutions by antisera containing agglutinins for antigens of the l-complex. When tested in absorbed single-factor antisera, agglutination was readily obtained in diagnostic dilution of factor w antiserum only. No agglutination was observed with single factors v, Z28, Z13, and Z40. The phase 2 antigens were agglutinated by phase 1 antiserum of serotype Worthington (l, w) to a titer of 1:12,800. The homologous phase 1 titer of serotype Worthington was 1:6,400. Subsequent absorption tests removed all H agglutinins from that antiserum.

Hence the antigenic formula of culture 2227-68 was determined to be (I), 13, 23, 37: y: l, w, and the name S. enteritidis ser. Ordonez was applied to it.

LITERATURE CITED