

Isolation of *Salmonella braenderup* (6, 7: e, h: e, n, z₁₅) from Mussel Meat

The serotype *Salmonella braenderup* was isolated from a sample of mussel meat collected from Calicut fish market on 25th March 1986. The method suggested by AOAC (1975) was followed for the detection of

Table 1. *Morphological, biochemical and serological characteristics of Salmonella braenderup*

Morphology	:	Gram-negative short rods, motile, no spores
Biochemical characteristics		
Reaction on triple sugar iron agar slant	:	Acid butt, alkaline slant, gas and hydrogen sulphide production
Reaction on lysine iron agar slants	:	Purple colour throughout, hydrogen sulphide present
Indole production	:	Absent
Urease production	:	Absent
Fermentation of lactose	:	Negative
Fermentation of sucrose	:	Negative
Fermentation of salicin	:	Negative
Fermentation of dulcitol	:	Acid and gas formed
Serological pattern	:	6, 7: e, h: e, n, z ₁₅

Salmonella. One strain of *Salmonella* isolated from this sample was sent to the National Salmonella and Escherichia Centre at Kasauli and was identified to be *S. braenderup*. A final report on the identification was received on 13th May 1986. In India, this serotype has been isolated only in two previous cases and both were from human sources exhibiting disease symptoms (personal communication from the National Salmonella Centre). The chances of association of this serotype in human salmonellosis is thus evident. Centres for Disease Control, U.S. Department of Health and Human Services (1981) have also reported isolation of this serotype from human cases. The biochemical properties of *S. braenderup* were similar to that of typical *Salmonella* (Table 1).

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