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SUPPLEMENT TO THE THIRD REPORT ON THE SHIGELLA GROUP

The Enterobacteriaceae Subcommittee of
the Nomenclature Committee of the International
Association of Microbiological Societies[1]

In the 1953 Subcommittee Report (International Bulletin. 4:90-94. 1954), it was recommended that certain sub judice Shigella serotypes be considered for possible future addition to the Shigella schema. Since the 1953 Report was prepared these sub judice serotypes have been studied by various investigators and additional cultures of several have been isolated and studied. Therefore, it is recommended that certain of these serotypes be given serotype designations and added to the Shigella schema in the proper subgroup. Serotypes 58 (Cox) and 2050-52 may be added to subgroup A (Shigella dysenteriae) as serotypes 9 and 10, respectively, and serotypes 423, 425, 2770-51, and 703 may be added to subgroup C (Shigella boydii) as serotypes 12, 13, 14, and 15, respectively (see Shigella schema, appended). Further, it is recommended that the status of serotype 3873-50 and certain other serotypes remain sub judice for the present.

Three subserotypes of Shigella flexneri 3 are listed in the schema attached to the main body of the Third Report on the Shigella group as well as in that appended hereto. A characterization of these follows: subserotype 3a corresponds to the classical Z, which possesses group factors (subsidiary antigens) 6 and 7,8 but lacks the 3,4 (Y) component; subserotype 3b contains the 3,4 factor in addition to factors 6 and 7,8; and subserotype 3c possesses group factor 6, but lacks 3,4 and 7,8. All possess the same type or main antigen (III).

REFERENCES

Serotype 58 Cox, C.D. and G.I. Wallace 1948. J. Immunol. 60:465.

[1]Internatl. Bull. Bact. Nomen. and Tax. 8(1):25-70. 1958.

Serotypes 123, 3873-50, 2770-51 and 425	Ewing, W.H. and M.C. Hucks. 1952. J. Immunol. 69:575.
Serotype 703	Ewing, W.H., M.C. Hucks and M.W. Taylor. 1952. J. Bact. 63: 319.
Serotype 2050-52	Ewing, W.H. 1953. J. Bact. 66: 333.
Above serotypes (and certain *sub judice* serotypes)	Ewing, W. H., R. W. Reavis, and B.R. Davis. 1958. Canad. J. Microbiol., in press.

Shigella Taxonomy and Nomenclature

Subgroup	Serotype	Subserotype	Earlier Designations
A			
S. dysenteriae	1		*S. shigae*, Shiga-Kruse bacillus, etc.
	2		*S. schmitzii*, *S. ambigua*
	3		Q771
	4		Q1167
	5		Q1030
	6		Q454
	7		Q902
	8		Serotype 599-52
	9		Serotype 58
	10		Serotype 2050
B			
S. flexneri	1	1a	V
		1b	VZ
	2	2a	W
		2b	WX
	3	3a	Z
		3b	
		3c	
	4	4a	103
		4b	103Z
	5		P119
	6		Boyd 88, *S. newcastle*, Manchester bacillus
	X variant		X
	Y variant		Y
C			
S. boydii	1		170
	2		P288
	3		D1
	4		P274
	5		P143
	6		D19
	7		Lavington, type T, *S. etousa*
	8		Serotype 112
	9		Serotype 1296/7
	10		Serotype 430
	11		Serotype 34
	12		Serotype 123
	13		Serotype 425
	14		Serotype 2770-51
	15		Serotype 703
D			
S. sonnei			Sonne-Duval, Sonne III, etc.