Comparative motility data on WG lines

The accompanying table summarizes details of a survey of lines
1-31 for presence and vigor of motility. Column headings give time
elapsed between timeof reading and time of inoculation, plus type and
quantity of culture.   Those not designated motag were pennassay broth
cultures at 37 C.   Those designated motⱷag were swarm tests on petris
filled with Edward's motag. All constitute independent subcultures from
refrigerator stock slants, with the exception of the two columns headed
by an arrow andthe word "then".   The second column here was a direct
 subculture from the immediately preceding one.

Broth cultures were examined microscopically as follows: A small
drop, ca. 0.05 cc, was hung on a cover-slip over a depression slide and
scanned quickly under high power.   If no motility cald be observed,
observation was more prolonged.   If motility was observed, percent of
cells moving was estimated.   Brownian movement was usually easily
distinguishable form true motility.   Since vigor of motion varies, it
is possible that the figures given are more appropriately estimates of
vigor, rather than estimates of percent motile cells.

Information on motility involving no quantitative or pseudo-quantitative
data is noted to the right.

		10 cc 20 hr.	10 cc 72 hr.	1 cc 6 hr.	10 cc 20 hr.	1 cc 30 hr. item.	motag 6 hr. item.	motag 48 hr. item.	10 cc 20 hr.
W G	1		70	30	80	10	+		
	2		1	50	80	+	+		
	3	0	0	0	0	0	−		
	4	0	0	0	0	0	−		
	5		0	100	100	50	++	+	50
	6			0	100	80	++	+++	50
	7			100		30	++	++	100
	8		5	75		60	+	++	50
	9			0	0				
	10			0	0				
	11			0	0	6	−		
	12			+	100	0	+		
	13			75	100	90	++		
	14			15	100	80	−		
	15			10	80	50	++		
	16			5	100	50	−		
	17			0	0	0	−		
	18			0	0	0	−		
	19			0	100	100			
	20			0	80	0			
	21			10	80	20			
	22			50	0	0		+	5
	23			90	50	20			
	24				100	60	+		
	25				1	5	+		
	26				50	30			
	27				0	0			
	28				10	5	+++		
	29				80	+			
	30				50	0			
	31				0	0	−		

Subsequently motilized repeatedly; misc. % in broth (inges at 30°)

Repeated subsequent attempts on motag + broth (37° & 30°) failed.
" " " "

Subsequently motilized for AS + tests thereof.

at least one subsequent swarm on motag

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