

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 time of reading and time of inoculation, plus type and quantity of culture. Those not designated motag were pennassay broth cultures at 37 C. Those designated motag 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 and the 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 could be observed, observation was more prolonged. If motility was observed, percent of cells moving was estimated. Brownian movement was usually easily distinguishable from 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.

