

Table 1—Effects of protein source on growth of *S. aureus* (Z-88) and production of enterotoxins

| Protein source                          | Generation time (min) | Max <i>S. aureus</i> population reached (24–48 hr) | Enterotoxin A or D in the supernatant from spent medium after 24 hr incubation <sup>a</sup> |                           |                      |
|---|-----------------------|--|---|---------------------------|----------------------|
|   |                       |  | Concentrated (× original)   | Unconcentrated (original) | Diluted (× original) |
| Brewer's yeast                          | 29                    | $7.1 \times 10^9$                                  | 1, +  | +                         | 5, +                 |
| Fish protein concentrate                | 56                    | $2.0 \times 10^8$                                  | 50, +   | ND                        |                      |
| Soy protein                             | 50                    | $2.0 \times 10^8$                                  | 100 (ND)  | ND                        |                      |
| Whole milk                              | 31                    | $2.0 \times 10^9$                                  | 25, +   | ND                        |                      |
| Whole milk plus brewer's yeast (2% w/v) | 27                    | $7.0 \times 10^9$                                  | 1, +  | +                         | 5, +                 |

<sup>a</sup> + detected; ND not detected