

TABLE 6

Amino acid composition of the proteins from E. coli "cell supernatant" (see text)

| Amino acid | Moles per 100 moles recovered amino acids | |
|---------------|---|-----------------------------|
| | "Cell supernatant" ^a | 70 s ribosomes ^b |
| Lysine | 6.43 | 9.01 |
| Histidine | 1.99 | 1.91 |
| Arginine | 4.07 | 7.30 |
| Aspartic acid | 10.41 | 8.30 |
| Glutamic acid | 11.18 | 10.08 |
| Glycine | 8.49 | 8.18 |
| Alanine | 10.21 | 10.98 |
| Valine | 7.87 ^d | 9.63 |
| Leucine | 8.07 | 7.40 |
| Isoleucine | 5.92 ^d | 5.51 |
| Threonine | 5.65 ^c | 5.22 |
| Serine | 4.72 ^c | 4.38 |
| Proline | 4.17 | 3.67 |
| Tyrosine | 2.75 ^c | 1.78 |
| Phenylalanine | 3.48 | 3.03 |
| Tryptophan | 0.93 | 0.69 |
| Methionine | 2.56 | 2.40 |
| Half cystine | 1.10 ^e | 0.53 |
| Ammonia | 7.77 ^g | 7.08 ^f |
| | 100.00 | 100.00 |

^(a) Average of the means of duplicate analysis of 24 and 72 hr hydrolysates.

^(b) From Table 3. For details of analysis refer to that Table.

^(c) Extrapolated to zero time hydrolysis.

^(d) Value of the 72 hr hydrolysate.

^(e) Single estimation as cysteic acid.

^(f) Not included in the total.

^(g) Estimated by the Stegeman (1958) procedure and not included in the total.