Protein Quality—DIAAS vs. PDCAAS

1. DIAAS uses non-truncated AA scores for food ingredients. PDCAAS values >1, but truncates to 1.

2. DIAAS uses ileal AA digestibility value for each individual AA. PDCAAS uses fecal rather than ileal estimates of protein digestibility.

3. FDA recognizes DIAAS importance in evaluating protein quality when true ileal AA digestibility data are used.

4. However, FDA declined to replace the PDCAAS with DIAAS in the final rule (2016) due to “insufficient data to implement,” among other reasons.

Source: Sneh Bhandari, Silliker/Merieux NutriSciences; 2017 Protein Trends & Technologies Seminar