



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Enumeration of *Bifidobacteriaceae* - Probiotics

Method Number: LI-00.794

Scope of Application: This LI can be applied for enumeration of two species of *Bifidobacteriaceae*. The scopes for each species are as follows:

- *Bifidobacterium animalis subsp. lactis* (*B. lactis*) - culture powder, preblends, baby food (infant cereal), infant formula, and performance nutrition (nutritional powders and gummies).
- *Bifidobacterium longum subsp. longum* (*B. longum*) - petcare, culture powder & preblend

Description: This is a quantitative method to determine the amount of *Bifidobacterium* genus organisms that are present in nutrition and nutraceuticals samples.

Sample Weight Required: 50 g

Analytical Platform: Cultural Method

Special Information: This method is for the enumeration of a single strain at high levels within a product. For samples that contain a low level (<10⁴ CFU/g) of the probiotic organism, a special note is required to be added at the time of submission to ensure appropriate dilutions are tested. Samples that contain a mixture of live organisms are out of scope of this method.

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
<i>Bifidobacterium animalis ssp lactis</i> Result	<i>B. lactis</i> , BL818, NCC2818	CFU/g	< 10 CFU/g	0.050
<i>Bifidobacterium longum</i> Result	BL705, BL999, NCC 3001, NCC 2705	CFU/g	<10 CFU/g	0.023