



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Enumeration of Lactobacillaceae - Probiotics

Method Number: LI-00.793

Scope of Application: This LI can be applied for enumeration of *Lactobacillaceae* in the following food items: culture powder, preblends, infant formula, and performance nutrition (nutritional powders and gummies).

Description: A quantitative method for the enumeration of *Lactobacillaceae*. Samples are weighed, rehydrated and homogenized. Serial dilutions are made with the same diluent and are plated and mixed with a specific agar. Samples are incubated at 37°C for 48 hours under aerobic conditions.

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>Limosilactobacillus reuteri</i> Result	<i>L. reuteri</i> , NCC 3025	CFU/g	< 10 CFU/g	0.082