

METHOD SUMMARY – QWI-FM0116

Method Title	Total Probiotec Bacteria - Enumeration IN HOUSE		
Document number	QWI-FM0116	Date Issued	20 th July 2017

Method External References	Version 2006/04: Harmonium International Inc		
	Volume 2 1996: Bergey's Manual of Systematic Bacteriology In House		
	AS 5013.11.1-2004: Food Microbiology - Microbiology of food and animal feeding stuffs – Preparation of test samples, initial suspension and decimal dilutions of microbiological examination – General rules for the preparation of the initial suspension and decimal dilution		
	AS 5013.14-2004: Food Microbiology - Microbiology of food and animal feeding stuffs - General rules for microbiological examinations		
Matrix	As listed on NATA Scope.		
ALS Department	<input type="checkbox"/> Pharmaceutical Chemistry <input type="checkbox"/> Water Microbiology <input checked="" type="checkbox"/> Food Microbiology <input type="checkbox"/> Pharmaceutical Microbiology <input type="checkbox"/> Food Chemistry		
Accreditation Status	<input type="checkbox"/> NATA <input checked="" type="checkbox"/> NON-NATA <input type="checkbox"/> N/A		
Analysis technique	<input type="checkbox"/> HPLC <input type="checkbox"/> GC <input type="checkbox"/> Wet Chemistry <input type="checkbox"/> Physical <input type="checkbox"/> Gravimetric <input type="checkbox"/> Qualitative <input checked="" type="checkbox"/> Pour Plate <input type="checkbox"/> Spread Plate <input type="checkbox"/> MPN <input type="checkbox"/> Filtration <input type="checkbox"/> Petrifilm <input type="checkbox"/> EHS <input type="checkbox"/> ELISA <input type="checkbox"/> VIDAS UP <input type="checkbox"/> VIDAS <input type="checkbox"/> TEMPO		
Method Principle	Test samples are prepared for subsequent microbiological examination. Initial suspensions are tested using a pour plate technique. Organisms which grow on Reinforced Clostridial Agar (RCA) at 37 ± 1 °C for 3 days under anaerobic conditions are Probiotic Bacteria.		
Reporting Unit	Probiotic Bacteria cfu/g or cfu/mL		
LOR/LOQ	< 10		

Minimum amount of sample required for analysis	Capsules – 20 capsules Powders – 10 g Liquids – 30 mL of at least 3-5 samples	Turnaround time	7 working days
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