

## METHOD SUMMARY – QWI-FM0057

<b>Method Title</b>	<b>FAECAL STREPTOCOCCI - ENUMERATION – APHA</b>		
<b>Document number</b>	<b>QWI-FM0057</b>	<b>Date Issued</b>	14 <sup>th</sup> November 2016

Method External References	Compendium of Methods for the Microbiological Examination of Foods APHA 1992. Modification – Aesculin hydrolysis examined at 48 hours only		
Matrix	As listed on NATA Scope.		
ALS Department	<input type="checkbox"/> Pharmaceutical Chemistry <input type="checkbox"/> Water Microbiology <input type="checkbox"/> Pharmaceutical Microbiology <input checked="" type="checkbox"/> Food 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 type="checkbox"/> Pour Plate <input checked="" 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	<p>This method describes a procedure for the enumeration of Faecal Streptococci in a specified amount of food after incubation at 35 °C for 44-48 hours on Slanetz &amp; Bartley. An initial suspension of the sample is prepared with Buffered Peptone Water or Peptone Saline diluent prior to be inoculated (0.1 mL) onto SB pre-poured agar plate. Presumptive colonies are then confirmed using biochemical testing with Bile Aesculin Agar (pre-poured) at 37 °C for 2 days and then into Brain Heart Infusion Broth (BHIB) at 44 °C for another 2 days if the presumptive colony is found catalase negative.</p> <p>Presumptive colonies growing on BAA, catalase negative and growing in BHIB at 44 °C are confirmed as Faecal Streptococci organisms and reported per amount of sample tested.</p>		
Reporting Unit	cfu per g or per mL as per client specifications		
LOR/LOQ	<10		

Minimum amount of sample required for analysis	Minimum of 10 g	Turnaround time	2 days
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<b>Author:</b>	Document Controller	<b>Date:</b>	29 <sup>th</sup> August 2017
<b>Authorised By:</b>	National Quality Manager	<b>Date</b>	29 <sup>th</sup> August 2017