

Bioscreen Faecal Microbial Analysis

Collection Date: 14/03/2016	Receipt Date: 15/03/2016	Process Date: 15/03/2016
		Completed Date: 1/4/2016
Name: Vaughan, Stephen	Referred by: Robertson, Mark	
Address: 5 Lincoln Cl Asquith, NSW 2077		
Sample ID: 125692	DOB: 2/11/1982	

Vaughan, Stephen

Total Count	cfu/gm	Hi	Lo	Normal Range	% Distribution	Normal Distribution
Total Bacterial Count	4.08 x 10 ¹⁰			(1.00 x 10 ⁹ - 1.00 x 10 ¹²)		
Aerobe:Anaerobe Ratio	0.09		Lo	(1.0 - 2.0)	(Aerobe count/Anaerobe count)x1000	
Aerobes						
Total Aerobe Count	3.58 x 10 ⁶		Lo	(1.00 x 10 ⁷ - 1.00 x 10 ⁸)		
E.coli coliform	6.76 x 10 ⁴		Lo	(7.00 x 10 ⁶ - 9.00 x 10 ⁷)		
<i>Escherichia coli</i>	6.76 x 10 ⁴		Lo		1.89%	(70-90%)
Streptococcus (Total)	3.38 x 10 ⁶	Hi		(<3.00 x 10 ⁵)	94.34%	(<5%)
<i>Streptococcus parasanguinis</i>	1.35 x 10 ⁶				37.74%	
<i>Streptococcus anginosus</i>	1.08 x 10 ⁶				30.19%	
<i>Streptococcus mutans</i>	9.46 x 10 ⁵				26.42%	
Other aerobes				(<1.00 x 10 ⁵)		(<5%)
<i>Corynebacterium jeikeium</i>	1.35 x 10 ⁵				3.77%	
Yeast (Total)	5.40 x 10 ¹			(<1.00 x 10 ⁴)		
<i>Candida albicans</i>	5.40 x 10 ¹					

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Anaerobes	cfu/gm	Hi	Lo	Normal Range	% Distribution	Normal Distribution
Total Anaerobe Count	4.08 x 10 ¹⁰			(1.00 x 10 ⁸ - 1.00 x 10 ¹²)		
Bacteroides (Total)	2.16 x 10 ¹⁰		Lo*	(5.00 x 10 ⁸ - 9.50 x 10 ¹¹)	52.98%	(90-95%)
<i>Bacteroides vulgatus</i>	4.06 x 10 ⁹				9.93%	
<i>Bacteroides thetaiotaomicron</i>	4.06 x 10 ⁹				9.93%	
<i>Bacteroides ovatus</i>	1.35 x 10 ¹⁰				33.11%	
Eubacterium (Total)	2.70 x 10 ⁹	Hi		(1.00 x 10 ⁸ - 1.00 x 10 ⁹)	6.62%	(<15%)
<i>Eggerthella lenta</i>	2.70 x 10 ⁹				6.62%	
Lactobacillus (Total)	2.70 x 10 ⁹	Hi		(5.00 x 10 ⁵ - 1.00 x 10 ⁷)	6.62%	(0.5-1.5%)
<i>Lactobacillus acidophilus</i>	2.70 x 10 ⁹				6.62%	
Bifidobacterium (Total)	8.11 x 10 ⁵			(5.00 x 10 ⁵ - 5.00 x 10 ⁸)	0.00%	(5-11%)
<i>Bifidobacterium dentium</i>	8.11 x 10 ⁵				0.00%	
Clostridium (Total)	2.70 x 10 ⁸			(<5.00 x 10 ⁸)	0.66%	(1-10%)
<i>Clostridium clostridioforme</i>	2.70 x 10 ⁸				0.66%	
Other anaerobes						
<i>Ruminococcus gnavus</i>	1.35 x 10 ¹⁰	Hi			33.11%	

Lo* = Limited species distribution

Detection limits: Aerobes 1 x 10⁴; Yeasts 1 x 10¹; Anaerobes 1 x 10⁸ cfu/mL. Results are reported as less than these figures if not cultured.

* = presumptive identification

Organisms identified by MALDI-TOF MS (Matrix Assisted Laser Desorption/ Ionisation - Time of Flight) Mass Spectrometry.

Reference ranges obtained from Bioscreen data (n=177)

Hi = high; "Lo" = Low; "cfu" = colony forming units (viable count)