

Bioscreen Faecal Microbial Analysis

Collection Date: 5/09/2016	Receipt Date: 6/09/2016	Process Date: 6/09/2016
		Completed Date: 16/9/2016
Name:	<div style="border: 1px solid black; width: 300px; height: 50px;"></div>	
Address:		
Sample ID: 129234	DOB: 26/10/1985	Referred by:

Levinson, David

Total Count	cfu/gm	Hi	Lo	Normal Range	% Distribution	Normal Distribution
Total Bacterial Count	2.16 x 10 ¹⁰			(1.00 x 10 ⁹ - 1.00 x 10 ¹²)		
Aerobe:Anaerobe Ratio	0.31		Lo	(1.0 - 2.0)	(Aerobe count/Anaerobe count)x1000	

Aerobes

Total Aerobe Count	6.72 x 10 ⁶		Lo	(1.00 x 10 ⁷ - 1.00 x 10 ⁸)		
E.coli coliform	4.76 x 10 ⁶		Lo	(7.00 x 10 ⁶ - 9.00 x 10 ⁷)		
<i>Escherichia coli</i>	4.76 x 10 ⁶		Lo		70.73%	(70-90%)
Enterococcus (Total)	4.43 x 10 ⁵			(<5.00 x 10 ⁵)	6.59%	(<5%)
<i>Enterococcus faecalis</i>	3.28 x 10 ⁴				0.49%	
<i>Enterococcus faecium</i>	4.10 x 10 ⁵				6.10%	
Streptococcus (Total)	1.48 x 10 ⁶	Hi		(<3.00 x 10 ⁵)	21.95%	(<5%)
<i>Streptococcus vestibularis</i>	2.46 x 10 ⁵				3.66%	
<i>Streptococcus salivarius</i>	1.23 x 10 ⁶				18.29%	
Other aerobes				(<1.00 x 10 ⁵)		(<5%)
<i>Lactococcus lactis</i>	4.92 x 10 ⁴				0.73%	
Yeast (Total)	5.74 x 10 ²			(<1.00 x 10 ⁴)		
<i>Candida albicans</i>	5.74 x 10 ²					

Name: Levinson, David

Anaerobes	cfu/gm	Hi	Lo	Normal Range	% Distribution	Normal Distribution
Total Anaerobe Count	2.16 x 10 ¹⁰			(1.00 x 10 ⁸ - 1.00 x 10 ¹²)		
Bacteroides (Total)	9.10 x 10 ⁹			(5.00 x 10 ⁸ - 9.50 x 10 ¹¹)	42.21%	(90-95%)
<i>Bacteroides ovatus</i>	2.46 x 10 ⁹				11.41%	
<i>Alistipes putredinis</i>	4.10 x 10 ⁹				19.01%	
<i>Bacteroides thetaiotaomicron</i>	2.46 x 10 ⁹				11.41%	
<i>Bacteroides massiliensis</i>	8.20 x 10 ⁷				0.38%	
Prevotella (Total)	7.38 x 10 ⁹	Hi		(<5.00 x 10 ⁸)	34.22%	(<10%)
<i>Prevotella copri</i>	7.38 x 10 ⁹				34.22%	
Eubacterium (Total)	4.92 x 10 ⁹	Hi		(1.00 x 10 ⁸ - 1.00 x 10 ⁹)	22.81%	(<15%)
<i>Collinsella aerofaciens</i>	4.92 x 10 ⁹				22.81%	
Lactobacillus (Total)	<5.00 x 10 ⁵		Lo	(5.00 x 10 ⁵ - 1.00 x 10 ⁷)	0.00%	(0.5-1.5%)
Bifidobacterium (Total)	<5.00 x 10 ⁵		Lo	(5.00 x 10 ⁵ - 5.00 x 10 ⁸)	0.00%	(5-11%)
Clostridium (Total)	1.64 x 10 ⁸			(<5.00 x 10 ⁸)	0.76%	(1-10%)
<i>Clostridium lactatifermentans</i>	1.64 x 10 ⁸				0.76%	

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)