



CERTIFICATE OF PARTICIPATION

This certificate confirms that:
S.C.A. - Servizi Consulenze Ed Analisi

took part in:
LEAP MICRO Proficiency Test **MICRO45**
Coliforms in Water

and were allocated laboratory number **12** .

The performance of the laboratory is shown in the relevant report, which is available from the secure pages at www.fapas.com

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LABORATORY NUMBER: [Available to participants from FAPAS SecureWeb](#)

LEAP® Scheme Proficiency Test MICRO45

Potable Water

April 2011

Report

Prepared and authorised on behalf of FAPAS by

A handwritten signature in blue ink, appearing to read 'Laura Prenton', is written over a faint, light blue grid background.

Laura Prenton

Table 1: Results and z-Scores for Enumeration of Total Coliforms and *Escherichia coli*

laboratory number	examination			
	total coliforms assigned value 4 cfu/100 mL		<i>Escherichia coli</i> assigned value 49 cfu/100 mL	
	result cfu/100 mL	z-score	result cfu/100 mL	z-score
001	6	0.5	56	0.6
003	5	0.2	73	2.1
004	17	3.9	52	0.3
005	13	2.6	21	-2.4
008	<1		40	-0.8
009	6	0.5	52	0.3
011	38	10.3	4	-3.9
012	6	0.5	27	-1.9
014	4	-0.1	57	0.7
015	4	-0.1	47	-0.2
016	3	-0.4	54	0.4
017	2	-0.7	38	-0.9
018	3	-0.4	0	-4.3
019	9	1.4	50	0.1
020	8	1.1	59	0.9
021	8	1.1	60	1.0
023	5	0.2	56	0.6
024	4	-0.1	44	-0.4
025	Not detected		93	3.8
026	4	-0.1	48	-0.1
027	2	-0.7	41	-0.7
028	1	-1.0	53	0.4
029	0	-1.3	20	-2.5
030	0	-1.3	40	-0.8
031	2	-0.7	58	0.8
032	2	-0.7	34	-1.3

z-scores outside $|z| > 2$ are shown in **bold**, see Section 5

Table 2: Results and z-Scores for Colony Count after 3 days at 22°C

laboratory number	examination	
	colony count assigned value 138 cfu/mL	
	result cfu/mL	z-score
002	169	2.1
003	138	0.0
004	138	0.0
005	130	-0.5
009	120	-1.2
012	143	0.4
014	129	-0.6
015	147	0.6
016	140	0.2
017	139	0.1
018	151	0.9
019	4.8E+3	315.1
020	130	-0.5
022	3200	207.0
023	136	-0.1
024	122	-1.0
025	170	2.2
026	129	-0.6
027	117	-1.4
028	144	0.4
029	0	-9.3
030	132	-0.4
031	131	-0.4
032	163	1.7
033	118	-1.3
034	135	-0.2
035	135	-0.2
036	148	0.7

z-scores outside $|z| > 2$ are shown in **bold**, see Section 5

Table 3: Results and z-Scores for Colony Count after 2 days at 37°C

laboratory number	examination	
	colony count assigned value 135 cfu/mL	
	result cfu/mL	z-score
002	190	3.0
003	121	-0.8
004	126	-0.5
005	112	-1.3
008		
009	119	-0.9
012	142	0.4
014	134	-0.1
015	154	1.0
016	142	0.4
017	127	-0.5
018	162	1.5
019	1.41E+3	70.8
020	130	-0.3
023	145	0.5
024	111	-1.4
025	170	1.9
026	129	-0.4
027	140	0.3
028	140	0.3
029	1	-7.5
030	122	-0.7
031	146	0.6
032	136	0.0
033	113	-1.2
034	122	-0.7
035	113	-1.2
036	126	-0.5

z-scores outside $|z| > 2$ are shown in **bold**, see Section 5

Table 4: Results and z-Scores for Enumeration of Enterococci

laboratory number	examination	
	enterococci assigned value 46 cfu/100 mL	
	result cfu/100 mL	z-score
001		
003	40	-1.2
004	51	1.1
005	50	0.9
006	50	0.9
007	44	-0.4
008	44	-0.4
009	52	1.3
010	47	0.3
012	52	1.3
013	43	-0.6
014	49	0.7
015	42	-0.8
016	45	-0.2
017	50	0.9
018	49	0.7
019	44	-0.4
023	59	2.8
024	44	-0.4
025		
026	45	-0.2
027	45	-0.2
028	59	2.8
029	44	-0.4
030	40	-1.2
031	46	0.0
032	48	0.5

z-scores outside $|z| > 2$ are shown in **bold**, see Section 5