

## Testing Centre Turn-around Time

### Microbiology Section

Test Parameter	Method Number	Reference Standard	Accreditation Status of Method	Analysis Time Frame	Turn-around Time
Total Viable Colony count in food @ 30°C	TM/M/01	SANS 4833	Accredited	3 days	4 working days
Enterobacteriaceae in food	TM/M/02	SANS 21528-2	Accredited	2-3 days	4 working days
Total coliforms in food	TM/M/03	SANS 4832	Accredited	2-3 days	4 working days
<i>E.coli</i> in food	TM/M/04	ISO 16649-1	Accredited	2 days	3 working days
Coagulase positive <i>Staphylococci</i> in food	TM/M/05	SANS 6888	Accredited	3-6 days	7 working days
<i>Vibrio</i> spp. In food	TM/M/06	ISO21872-1	Accredited	3-5 days	6 working days
<i>Vibrio cholera</i> and <i>parahaemolyticus</i> in food	TM/M/06	ISO21872-2	Accredited	3-5 days	6 working days
<i>Shigella</i> Spp. In food	TM/M/07	ISO 21567	Accredited	4 days	5 working days
<i>Salmonella</i> spp. In food	TM/M/08	SANS 6579	Accredited	4-7 days	8 working days
<i>Clostridium perfringens</i> in food	TM/M/09	SANS 7937	Accredited	2-4 days	5 working days
<i>Listeria monocytogenes</i> in food	TM/M/10	SANS 11290	Accredited	9 days	10 working days
<i>E.coli</i> in shell fish	TM/M/11	ISO 16649-3	Accredited	2-3 days	4 working days
TVC in swabs	TM/M/12	SANS 5763	Accredited	3 days	4 working days
Faecal coliforms and <i>E.coli</i> in swabs	TM/M/13	VC8031	Accredited	2-3 days	4 working days
Total Viable Colony count in water @ 35°C	TM/M/14	SANS 5221	Accredited	3 days	4 working days
Total coliforms in water in water	TM/M/15	SANS 5221	Accredited	2-3 days	4 working days
<i>E.coli</i> and faecal coliforms in water	TM/M/16	SANS 5221	Accredited	2-3 days	4 working days

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Faecal streptococci in water	TM/M/17	SANS 7899-2	Accredited	3 days	4 working days
Identification of bacteria strains by VITEK MS	TM/M/21	BIOMEUREUX VITEK MS	Accredited	2 days	3 working days
<i>Legionella</i> spp. in water	TM/M/22	ISO 11731	Accredited	7-10 days	11 working days
<i>Pseudomonas aeruginosa</i> in water	TM/M/23	ISO 16266	Accredited	3 days	4 working days
<i>Bacillus cereus</i> in food	TM/M/24	SANS 7932	Accredited	2-3 days	4 working days
Sterility in canned food	TM/M/25	SANS 6257	Accredited	<b>NOTE: 10 days pre-incubation period required before analysis, for samples submitted without prior incubation</b>	
				6 days (Normal products)	7 working days
				9 days Blown products)	10 working days
<i>Clostridium perfringens</i> in water	TM/M/26	SANS 7937	Accredited	2-4 days	5 working days
Total coliforms, Faecal coliform and Escherchia coli in Food and Milk using MPN	TM/M/27	SANS 7251	Not Accredited	2-6 days	7 working days
Total coliforms, Faecal coliform and Escherchia coli in water using MPN	TM/M/28	SANS 5221	Not Accredited	2-4 days	5 Working days
Total Viable Colony count in water @ 22°C	TM/M/30	Microbiology of drinking water (2012) – part 7 method for enumeration of heterotrophic bacteria, environmental agency.	Accredited	3 days	4 working days
Total Viable Colony count in water @ 37°C	TM/M/31	Microbiology of drinking water (2012) – part 7 method for enumeration of heterotrophic bacteria, environmental agency.	Accredited	3 days	4 working days
Yeast and Moulds in food	TM/M/32	SANS 7954	Accredited	5-7 days	8 working days
Antimicrobial and bactericidal efficacy in alcohol based disinfectants	TM/M/33	SANS 5261	Accredited	5 days	6 working days

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<i>Vibrio Parahaemolyticus</i> enumeration	TM/M/35	[ISO 21872-1]	Accredited	3 days	4 working days
Listeria spp. including Listeria monocytogenes enumeration	TM/M/36	[ISO 11290-2]	Accredited	4 days	5 working days
Sampling for water, ice and swab samples	SOP/M/04	N/A	Accredited	N/A	1 day from day of customer request.

### Chemistry Section

Test Parameter	Method Number	Reference Standard	Accreditation Status of Method	Analysis Time Frame	Turn-around Time
ASP HPLC-UV	TM/B/01	Published Method: M.A. Quilliam (2003)	Accredited	3-5 Working Days	6 working days
PSP HPLC-Fluorescence	TM/B/04	CEFAS Refinery and in-house validation of the AOAC HOLC method (2005.06) determination of PSP toxins in mussels by LC and fluorescence detection	Accredited	5 Working Days	6 working days
Histamine by LCMSMS	TM/B/05	Lab developed method	Accredited	3-5 Working Days	6 working days
Mercury by DMA 80	TM/B/06	Milestone DMA-80 Application Book rev.12/14	Accredited	3-5 Working Days	6 working days
Cadmium by AAS GF	TM/B/07	EU Standard Method # ISI EN 14084:2003 Foodstuffs – Determination of trace elements – determination of lead, cadmium, zinc, copper and iron by AAS after microwave digestion	Accredited	3-5 Working Days	6 working days
Lead by AAS GF					
Lipophilic by LCMSMS	TM/B/08	EU-Harmonised Standard Operating Procedure for determination of lipophilic marine biotoxins in molluscs by LC-MS/MS.	Accredited	3-5 Working Days	6 working days

pH-pH Meter	TM/B/09	ISO 10523:1994, Water quality - Determination of pH. Instruction Manual, PC 510 Bench pH /Conductivity meter	Accredited	2 Working Days	3 Working Days
Conductivity by Conductivity Meter	TM/B/10	ISO 7888-1:2005 – Water quality – Determination of conductivity. Instruction Manual, PC 510 Bench pH /Conductivity meter Total Dissolve Solids vs Total Dissolve Salt ('TDS'). Hill Laboratory's. Technical Notes KB Item: 8978.	Accredited	2 Working Days	3 Working Days
Total dissolved Solids by Conductivity Meter			Accredited	2 Working Days	3 Working Days
Turbidity by Turbidimeter	TM/B/11	ISO 7027-1:2016 – Water quality – Determination of turbidity. Owner's Manual, HF scientific-Micro 1000 Laboratory Turbidimeter 0-10000 NTU	Accredited	2 Working Days	3 Working Days
Salinity by Salinity Meter	TM/B/12	Instruction Manual Salt 6+ Salinity Calibration Standards and preparation Brookvale NSW 2100	Accredited	2 Working Days	3 Working Days
Histamine by HPLC-UV	TM/B/16	PCP – 2COA-ED No. 019 Determination of histamine in canned fish, version 9, National Service of Agricultural Health and Quality Directorate General of Laboratories and Technical control, January 2020.	Accredited	5 Working Days	6 working days
Multi-elements by ICP-MS	TM/B/18	Analysis of tap water and drinking water by ICP-MS2023 Application note	Accredited	5 Working Days	6 working days
Mercury by CVAAS	TM/B/19	Determination of mercury by CVAAS after pressure digestion, Part 1	Accredited	5 Working Days	6 working days
Sampling for water samples	SOP/B/74	Quality of domestic water supplies sampling guide volume 2, Department of Water Affairs and Forestry, First edition, Third Print 2003	Not Accredited	N/A	1 day from day of customer request

Updated: 21 May 2025