

**RQS® – Food Microbiology F-MB-Proficiency test Programme
(Code B)**

PLEASE NOTE:

- (1) All food PT schemes include samples which are either standard concentrates or standard reference material, which contain levels of contaminants usually, found in food samples
- (2) Food Microbiology sample depend on food matrices spiked with Reference culture Strain.
- (3) Assigned value, Homogeneity and Stability performed by Subcontractor Lab

Detection Methods

	PT Analyte Code	Matrix	Analyte	Approx. Size
1.	F-MB-01	Food -[In Milk Powder]	Detection of Salmonella spp. by using Culture Methods- • Sample A • Sample B	Dehydrate sample represent 25 g
2.	F-MB-02	Food - [In Chicken]	Detection of Salmonella by using Culture Methods- • Sample A • Sample B	Dehydrate sample represent 25 g
3.	F-MB-03	Food -[In Tahenaa]	Detection of Salmonella by using Culture Methods • Sample A • Sample B	Sample represent 25 g
4.	F-MB-04	Food –[In Beef]	Detection of Salmonella by using Culture Methods • Sample A • Sample B	Sample represent 25 g
5.	F-MB-05	Food –[In Cereal]	Detection of Salmonella by using Culture Methods • Sample A • Sample B	Sample represent 25 g
6.	F-MB-06	Food - In Spice	Detection of Salmonella by using	Sample represent 25 g

Detection Methods

	PT Analyte Code	Matrix	Analyte	Approx. Size
		[medical plant]	Culture Methods • Sample A • Sample B	
7.	F-MB-07	Food - In fish and fish products	Detection of Salmonella by using Culture Methods • Sample A • Sample B	Dehydrate sample represent 25 g
8.	F-MB-08	DNA Extract	Detection of Salmonella by using PCR • Sample A • Sample B	DNA Extract
9.	F-MB-09	Feed	Detection of Salmonella by using Culture Methods • Sample A • Sample B	Dehydrate sample represent 25 g
10.	F-MB-10	Food- [In Chicken]	Detection of Listeria monocytogenes In Fish by using Culture Methods- • Sample A • Sample B	Dried sample represent 25 g
11.	F-MB-11	Food- [Fish]	Detection of Listeria monocytogenes In Fish by using Culture Methods- • Sample A • Sample B	Dried sample represent 25 g
12.	F-MB-12	Food- [Milk Powder]	Detection of Listeria monocytogenes In Fish by using Culture Methods- • Sample A • Sample B	Dried sample represent 25 g
13.	F-MB-13	Food- [Vegetable]	Detection of Listeria monocytogenes In Fish by using Culture Methods- • Sample A • Sample B	Dried sample represent 25 g
14.	F-MB-14	DNA Extract	Detection of Listeria monocytogenus by using PCR • Sample A	DNA Extract

Detection Methods

	PT Analyte Code	Matrix	Analyte	Approx. Size
			• Sample B	
15.	F-MB-15	Food	Detection of Shigella spp. by using Culture Methods- • Sample A • Sample B	Dried sample represent 25 g
16.	F-MB-16	Feed	Detection of Shigella spp. by using Culture Methods- • Sample A • Sample B	Dried sample represent 25 g
17.	F-MB-17	DNA Extract	Detection of Shigella spp. by using PCR • Sample A • Sample B	DNA Extract
18.	F-MB-18	Food-[Smoked Fish]	Detection of Vibrio spp. by using Culture Methods- • Sample A • Sample B	Dried sample represent 25 g
19.	F-MB-19	Food-[Fish]	Detection of Vibrio spp. by using Culture Methods- • Sample A • Sample B	Dried sample represent 25 g
20.	F-MB-20	DNA Extract	Detection of Vibrio spp. by using PCR • Sample A • Sample B	DNA Extract
21.	F-MB-21	Food-[Chicken]	Detection of Campylobacter spp. by using Culture Methods • Sample A • Sample B	Dried sample represent 25 g
22.	F-MB-22	Food-[Milk Powder]	Detection of Campylobacter spp. by using Culture Methods • Sample A • Sample B	Dried sample represent 25 g

Detection Methods

	PT Analyte Code	Matrix	Analyte	Approx. Size
23.	F-MB-23	Food-[Beef]	Detection of <i>Escherichia coli</i> 0157 by using Culture Methods • Sample A • Sample B	Dried sample represent 25 g
24.	F-MB-24	Food-[Chicken]	Detection of <i>Escherichia coli</i> 0157 by using Culture Methods • Sample A • Sample B	Dried sample represent 25 g
25.	F-MB-25	DNA Extract	Detection of <i>Escherichia coli</i> 0157 by using PCR • Sample A • Sample B	DNA Extract
26.	F-MB-26	Food[Milk Powder]	Detection of <i>Escherichia coli</i> by using Culture Methods • Sample A • Sample B	Dried sample represent 25 g
27.	F-MB-27	Food[Milk Powder]	Detection of coliform in Milk Powder • Sample A • Sample B	Dried sample represent 25 g
28.	F-MB-28	Food[Milk Powder]	Detection of Enterobacteriaceae in Milk Powder • Sample A • Sample B	Dried sample represent 25 g
29.	F-MB-29	Food [Dehydrated Chicken]	PT Sample for Detection of of staph aureus in food. • Sample A • Sample B	Dried sample represent 25 g
30.	F-MB-30	DNA Extract	PT Sample for Detection of Staphylococcus aureus in food. By PCR • Sample A • Sample B	DNA Extract
31.	F-MB-31	DNA Extract	PT Sample for Detection of Vibrio	DNA Extract

Detection Methods

	PT Analyte Code	Matrix	Analyte	Approx. Size
			parahaemolyticus in food. By PCR • Sample A • Sample B	
32.	F-MB-32	DNA Extract	PT Sample for Detection of Yersinia enterocolica in food. By PCR • Sample A • Sample B	DNA Extract
33.	F-MB-33	DNA Extract	PT Sample for Detection of Shigella spp. in food. By PCR • Sample A • Sample B	DNA Extract
34.	F-MB-34	DNA Extract	PT Sample for Detection of E.coli o157 in food. By PCR • Sample A • Sample B	DNA Extract
35.	F-MB-35	RNA Extract	Detection of the following : ✓ norovirus NoV genogroups I (GI) ✓ norovirus NoV genogroups I (GI) by using PCR • Sample A • Sample B • Sample C	RNA Extract
36.	F-MB-36	RNA Extract	Detection of the hepatitis A by using PCR • Sample A • Sample B	RNA Extract
37.	F-MB-37	Plant Product [CRM]	Detection of the presence of [35s promoter and Nos terminator] as GMO materials in Food &	2 gm

Detection Methods

	PT Analyte Code	Matrix	Analyte	Approx. Size
			feed • Sample A • Sample B • Sample C	
38.	F-MB-87	Food [Milk Powder]	Detection of Cronobacter Sakazakii in Milk Powder by culture methods Sample A Sample B	Dried sample represent 25 g
39.	F-MB-99	Food [Milk Powder]	Detection of β-glucuronidase-positive Escherichia coli in food Sample A Sample B	Dried sample represent 25 g
40.	F-MB-100	Food [Milk Powder]	Detection of Vibrio parahaemolyticus. by RT-PCR Sample A Food Matrix Sample B DNA Extract Sample C DNA Extract	Dried sample represent 25 g
41.	F-MB-101	Food [Milk Powder]	Detection of listeria innocua in food Sample A Sample B	Dried sample represent 25 g
42.	F-MB-102	Food [Milk Powder]	detection of Brucella in milk (antibodies) By ELISA	

Enumeration Methods

	PT Sample Code	Matrix	Analyte	Approx. Size
1.	F-MB-38	Food [Milk Powder]	Enumeration of aerobic bacterial plate count (TBC) by using culture methods [Pour plate technique]	Dried sample represent 10 g
2.	F-MB-39	Food [Beef]	Enumeration of aerobic bacterial plate count (TBC) by using culture methods [Pour plate technique]	Dried sample represent 10 g
3.	F-MB-40	Food [Chicken]	Enumeration of aerobic bacterial plate count (TBC) by using culture methods [Pour plate technique]	Dried sample represent 10 g
4.	F-MB-41	Food [Cereal]	Enumeration of aerobic bacterial plate count (TBC) by using culture methods [Pour plate technique]	Dried sample represent 10 g
5.	F-MB-42	Food In Spice [medical plant]	Enumeration of aerobic bacterial plate count (TBC) by using culture methods [Pour plate technique]	Dried sample represent 10 g
6.	F-MB-43	Feed	Enumeration of aerobic bacterial plate count (TBC) by using culture methods [Pour plate technique]	Dried sample represent 10 g
7.	F-MB-44	Food	Enumeration of aerobic spore forming bacteria	Dried sample represent 10 g
8.	F-MB-45	Feed	Enumeration of aerobic spore forming bacteria	Dried sample represent 10 g
9.	F-MB-46	Food	Enumeration of anaerobic spore forming bacteria	Dried sample represent 10 g
10.	F-MB-47	Feed	Enumeration of anaerobic spore forming bacteria	Dried sample represent 10 g
11.	F-MB-48	Food	PT Sample for Enumeration of Total thermophilic plate count. by culture methods	Dried sample represent 10 g
12.	F-MB-49	Food	PT Sample for Enumeration of Enterococcus. by culture methods	Dried sample represent 10 g
13.	F-MB-50	Food	PT Sample for Enumeration Total mesophilic plate count. by culture methods	Dried sample represent 10 g
14.	F-MB-51	Food- [Milk Powder]	PT Sample for Enumeration of sulphite reducing Anaerobic spores mesophilic in by using culture technique	Dried sample represent 10 g
15.	F-MB-52	Food- [Milk Powder]	PT Sample for Enumeration of Enterobacteriaceae in food by using culture technique	Dried sample represent 10 g

Enumeration Methods

	PT Sample Code	Matrix	Analyte	Approx. Size
16.	F-MB-53	Food- [Milk Powder]	<i>Enumeration of Yeast and Mould by using culture methods [Pour /Surface plate technique]</i>	Dried sample represent 10 g
17.	F-MB-54	Food [Cereal]	<i>Enumeration of Yeast and Mould [water activity less than or equal to 0,95] by using culture methods [Pour /Surface plate technique]</i>	Dried sample represent 10 g
18.	F-MB-55	Herbs	<i>Enumeration of Yeast and Mould [water activity less than or equal to 0,95] by using culture methods [Pour /Surface plate technique]</i>	Dried sample represent 10 g
19.	F-MB-56	Feed	<i>Enumeration of Yeast and Mould [water activity less than or equal to 0,95] by using culture methods [Pour /Surface plate technique]</i>	Dried sample represent 10 g
20.	F-MB-57	Food- [Milk Powder]	<i>Enumeration of Yeast and Mould [water activity more than to 0,95] by using culture methods [Pour /Surface plate technique]</i>	Dried sample represent 10 g
21.	F-MB-58	Food - [rice]	<i>Enumeration of Yeast and Mould [water activity less than or equal to 0,95] by using culture methods [Pour /Surface plate technique]</i>	Dried sample represent 10 g
22.	F-MB-59	Food [dehydrated fruit]	<i>Enumeration of Yeast and Mould[water activity more than to 0,95] by using culture methods [Pour /Surface plate technique]</i>	Dried sample represent 10 g
23.	F-MB-60	Food	<i>Enumeration of Yeast and Mould[water activity more than to 0,95] by using culture methods [Pour /Surface plate technique]</i>	Dried sample represent 10 g
24.	F-MB-61	Food- [Milk Powder]	<i>Enumeration of Total Coliform by using culture methods [Pour plate technique]</i>	Dried sample represent 10 g
25.	F-MB-62	Food [Beef]	<i>Enumeration of Total Coliform by using culture methods [Pour plate technique]</i>	Dried sample represent 10 g

Enumeration Methods

	PT Sample Code	Matrix	Analyte	Approx. Size
26.	F-MB-63	Food [Chicken]	<i>Enumeration of Total Coliform by using culture methods [Pour plate technique]</i>	Dried sample represent 10 g
27.	F-MB-64	Food In Spice [medical plant]	<i>Enumeration of Total Coliform by using culture methods [Pour plate technique]</i>	Dried sample represent 10 g
28.	F-MB-65	Feed	<i>Enumeration of Total Coliform by using culture methods [Pour plate technique]</i>	Dried sample represent 10 g
29.	F-MB-66	food	<i>Enumeration of Total Coliform by using MPN</i>	Dried sample represent 10 g
30.	F-MB-67	Food- [Milk Powder]	<i>Enumeration of E Coli by using culture methods [Pour plate technique]</i>	Dried sample represent 10 g
31.	F-MB-68	Food [Beef]	<i>Enumeration of Coli by using culture methods [Pour plate technique]</i>	Dried sample represent 10 g
32.	F-MB-69	Food [Chicken]	<i>Enumeration of E Coli by using culture methods [Pour plate technique]</i>	Dried sample represent 10 g
33.	F-MB-70	Feed	<i>Enumeration of E Coli by using culture methods [Pour plate technique]</i>	Dried sample represent 10 g
34.	F-MB-71	Food	<i>Enumeration of E Coli by using MPN</i>	Dried sample represent 10 g
35.	F-MB-72	Food- [Milk Powder]	<i>PT Sample Enumeration of Coagulase positive Staphylococcus in Food [Culture Method]</i>	Dried sample represent 10 g
36.	F-MB-73	Food [Beef]	<i>PT Sample Enumeration of Coagulase positive Staphylococcus in Food [Culture Method]</i>	Dried sample represent 10 g
37.	F-MB-74	Food [Chicken]	<i>PT Sample Enumeration of Coagulase positive Staphylococcus in Food [Culture Method]</i>	Dried sample represent 10 g
38.	F-MB-75	Feed	<i>PT Sample Enumeration of Coagulase positive Staphylococcus in Food [Culture Method]</i>	Dried sample represent 10 g
39.	F-MB-76	Food-[cereal]	<i>Enumeration of Bacillus cereus by using culture methods [Pour plate technique]</i>	Dried sample represent 10 g

Enumeration Methods

	PT Sample Code	Matrix	Analyte	Approx. Size
40.	F-MB-77	Food- [Milk Powder]	<i>Enumeration of Bacillus cereus by using culture methods [Pour plate</i>	Dried sample represent 10 g
41.	F-MB-78	Food In Spice [medical plant]	<i>Enumeration of Bacillus cereus by using culture methods [Pour plate</i>	Dried sample represent 10 g
42.	F-MB-79	Feed	<i>Enumeration of Bacillus cereus by using culture methods [Pour plate</i>	Dried sample represent 10 g
43.	F-MB-80	Food – [Fish]	<i>Enumeration of Clostridium perfringens by using culture methods [Pour plate</i>	Dried sample represent 10 g
44.	F-MB-81	Food In Spice [medical plant]	<i>Enumeration of Clostridium perfringens by using culture methods [Pour plate</i>	Dried sample represent 10 g
45.	F-MB-82	Food – [cereal]	<i>Enumeration of Clostridium perfringens by using culture methods [Pour plate</i>	Dried sample represent 10 g
46.	F-MB-83	Food- [Milk Powder]	<i>Enumeration of Clostridium perfringens by using culture methods [Pour plate</i>	Dried sample represent 10 g
47.	F-MB-84	Feed	<i>Enumeration of Clostridium perfringens by using culture methods [Pour plate</i>	Dried sample represent 10 g
48.	F-MB-85	Food In Spice [medical plant]	<i>Enumeration of Sulphite reducing bacteria by using culture methods</i>	Dried sample represent 10 g
49.	F-MB-86	Food – [cereal]	<i>Enumeration of Sulphite reducing bacteria by using culture methods</i>	Dried sample represent 10 g
50.	F-MB-88	Food In Spice [medical plant]	<i>Enumeration of Enterococci by using culture methods</i>	Dried sample represent 10 g
51.	F-MB-89	Food [Dehydrated Beef]	<i>Enumeration of Clostridium perfringens</i>	Dried sample represent 10 g
52.	F-MB-90	Food [Milk Powder]	<i>Enumeration of Pseudomonas aeruginosa In food by using Culture Methods.</i>	Dried sample represent 10 g
53.	F-MB-91	Food [Dehydrated Beef]	<i>Enumeration of Faecal coliform In Food culture technique</i>	Dried sample represent 10 g
54.	F-MB-92	Food [Herbs]	<i>Enumeration Total Fungi count in the dried herbs by culture methods</i>	Dried sample represent 10 g
55.	F-MB-93	Food [Dry Product]	<i>Enumeration of lactic acid bacteria</i>	Dried sample represent 10 g

Enumeration Methods

	PT Sample Code	Matrix	Analyte	Approx. Size
56.	F-MB-94	industrial products [Polymer]	Determination of antibacterial and reduction Log for industrial products by culture methods PT Sample Positive Control [gram positive Strain] PT Sample Positive Control [gram negative Strain] PT Sample A PT Sample B PT sample C PT Sample D	Dried sample represent 10 g
57.	F-MB-95	industrial products [Polymer]	Determination of antifungal and reduction Log for industrial products by culture methods PT Sample Positive Control [Fungal Strain] PT Sample A PT Sample B PT sample C	Dried sample represent 10 g
58.	F-MB-96	Food [Yoghurt]	Enumeration of Bifidobacterium spp by Tos-MUP method in Food [Yoghurt] by using culture methods Technique Sample A Sample B	Dried sample represent 10 g
59.	F-MB-97	Food [Milk Products]	Enumeration of Total thermophilic plate count. in Food [Danette Hot filled Danette Hot filled] by using culture methods Technique	Dried sample represent 10 g
60.	F-MB-98	Food [Milk Products]	Enumeration of Total mesophilic plate count. [TPC] in Food [Yoghurt] by using culture methods Technique	Dried sample represent 10 g

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