

MICROBIAL SCREENS – DESCRIPTIONS & INFORMATION

Microbial Screens rely on selective media and sets of confirmation tests to provide analytical results typically within 48-72 hours after sample reception. Some useful combinations are listed below. A client may choose an established screen or create a 'unique' screen by selecting a combination from the parameters listed below. For micro-organisms not listed, you are invited to discuss your requirements with one of our microbiologists.

PARAMETERS

1. Clostridium spp includes: Total , C.perfringens, C.botulinum
2. Coliforms includes: Total, Fecal & Lactose Fermentors
3. E.coli confirmation from a Fecal Coliform positive test
4. E.coli
5. E.coli O157:H7 confirmation from a positive Coliform test
6. E.coli O157:H7
7. Enterococcus spp
8. Iron & Sulfur Bacteria
9. Listeria spp includes: Total, L.monocytogenes
10. Pseudomonas spp includes: Total, P.aeruginosa
11. Salmonella spp
12. Shigella spp
13. Staphylococcus spp includes: Total, S.aureus
14. Total Plate Count –heterotrophic
15. Total Plate Count –anaerobic
16. Vibrio spp includes: V.cholera, V.parahaemolyticus
17. Yeasts & Fungi

EXAMPLE COMBINATIONS

DRINKING WATER A

Lactose Fermentors, Total & Fecal Coliforms,
Yeast & Fungi, Total Plate Count-heterotrophic

DRINKING WATER B

Lactose Fermentors, Total & Fecal Coliforms
Iron & Sulfur Bacteria, Total Plate Count

WATER DISTRICT SCREEN

Lactose Fermentors, Total & Fecal Coliforms
Aeromonas spp, Y&F, Fe & S, Total Plate Count

BC FOOD SCREEN

Lactose Fermentors, Total & Fecal Coliforms
Enterococcus, Total Staphylococcus & S. aureus
Yeast & Fungi, Total Plate Count

FOOD POISON SCREEN

Lactose Fermentors, Total & Fecal Coliforms
Enterococcus, Total Staphylococcus & S. aureus
Yeast & Fungi, Total Plate Count
Salmonella, Bacillus, Clostridium *

* other organisms are added (or substituted) depending on the symptoms presented.

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