Yeasts (Saccha romyces spp.)	sc- A11	e	9	30	RED	YELLOW		< 6.00	6.00	13.00	20.30	27.30	35.00	42.00	50.00	> 60.00
							Time for colour change (hours minutes)	_								
Enterococcus faecalis	EF- A09	m	9	37	YELLOW	BLACK		< 4.30	4.30	7.30	10.00	13.00	16.00	19.00	22.00	> 28.00
Listeria spp.	LҮ. А07	9	12	37	BLUE	YELLOW		< 7.30	7.30	12.00	16.30	20.30	25.00	29.00	33.30	> 40.00
Salmonella spp. Listeria spp.	SL- A06	9	12	37	RED	YELLOW		< 4.00	< 4.00	4.30	8.30	13.30	18.00	23.00	28.00	> 36.00
Escherichia Enterobacteriac <i>Staphylococcus Pseudomonas</i> coli eae <i>aureus</i>	PAO- A05	9	12	37	BLUE	YELLOW		< 4.30	4.30	7.30	10.00	13.00	16.00	19.00	22.00	> 28.00
Staphylococcus aureus	SP- A04	9	12	37	RED	YELLOW		< 7.30	7.30	11.00	20.00	29.30	36.00	43.30	46.00	> 52.00
Enterobacteriac eae	EB- A03	4	8	37	RED	YELLOW	or colour	< 4.30	4.30	7.30	10.00	13.00	16.00	19.00	22.00	> 28.00
Escherichia coli	CO- A02	9	12	44	RED	YELLOW	Time fo	< 2.30	2.30	5.30	9.30	13.00	18.00	22.00	26.00	> 34.00
Coliforms	CO- A02	9	12	37	RED	YELLOW		< 4.00	4.00	6.30	9.30	12.30	16.00	19.00	22.00	>28.00
Total Viable Count	CBT- A01	9	12	37	BLUE	YELLOW		< 3.00	3.00	5.30	8.00	11.00	14.00	16.00	18.00	>26.00
Total Viable Count	CBT- A01	g	12	30	BLUE	YELLOW		< 4.00	4.00	6.30	10.00	13.00	16.00	19.00	22.00	>28.00
MICRORGANISM	ANALYSIS ID	shelf life at 20 °C (months)	shelf life at 5 °C (months)	Incubation temperature	APPROXIMATED STARTING COLOR	APPROXIMATED POSITIVE COLOR	CFU/mI or CFU/g or CFU/100cm ²	1×10^{7}	1 × 10 ⁶	1×10^{5}	1×10^{4}	1×10^{3}	100	10	1	0
MICRO	ANAI	shelf li (m	shelf I (m	Inc	APPROXIM. C	APPROXIV C	BACTERIAL CONCENTRATION INTO THE SAMPLE									

ONLY 3 EASY STEPS to get 100% quantitative results:

Step 1: Place the sample into the vial and lock the cap

- Open and add provided water into the vial
- Put the (solid, or liquid, so surface)
- sample 0.1~1.0ml (or 0.1-1.0g)
- Lock the cap of the vial tightly

Step 2: Shake the vial until all the reagents dissolved

• The solubility of the reagent requires 20 seconds with vortex mixer 1-2 min manually

Step 3: Place the vial into RVLM directly

• Get the result at the time chosen



NO EXTRA

- Press cap after analysis for sterilization
- Dispose

ROYAL BIOTECH GMBH



www.royalbiotech.com info@royalbiotech.com Microbiological Analytical Tool

Vial Lab[®] Micro Biological Survey (MBS) Innovative---Lab in Vial

Qualitative and Quantitative Analysis

-100% quantitative analysis with RVLM -Semi-quantitative analysis by eye

Analytical Range

- -Total Viable Cells
- -Coliforms, E.coli, E.coli 0 157
- -Enterobacteriaceae
- -Staphylococcus aureus
- -Pseudomonas aeruginosa
- -Salmonella spp.
- -Listeria spp.
- -Enterococcus (Streptococcus) faecalis
- -Fungi (e.g. Aspergillums spp.)
- -Yeast (e.g. Saccharomyces spp.)

Sample without Pre-Treatment

-Allow semi-solid(solid,or liquid, or surface) samples without any pre-treatment -Put the samples into the ready to use vial directly

Easy

-Three easy steps to obtain the test results -Can be used by anyone -Can be carried inside and outside of laboratories

Applications

•Hygienic Control •Food (for HACCP) •Kitchen, Tools and Surface •Water

 Centers for Disease Control and Prevention (CDC, CIQ, FDA)
OTC Drugs, Cosmetics

> e.g. -Cafe, Restaurants -Water manufactories -Analytical laboratories and HACCP Consultants -Agri-food companies -Pharmacies and drugstores -Environmental authorities -Water distribution companies -Civil protection agencies -Indoor air-conditioning companies

Fast

-2 to 5 fold faster than traditional analysis -Can get the results in 1 min if the CFU is very high

Sensitive

-Down to theoretical limit of detecting just 1 viable microbial cell present in the sample

Selective

-Up to the experimental limit of 99.999% with respect to other bacterial species

No extra cost for used vial process

-One step sterilization -Simply press the cap of the used vial

Safely Dispose of used vial

-Treat the vials like expired drugs and disposes accordingly



Several Advantages of Integrated Approach

- Improved :
- -Plate counting methods
- -Enzymatic methods (β-Glucuronidase assay) -Immunological methods (Antigen search)
- -Genetic methods (Gene search)

Microbiological Analytical Tool

RVLM ----Vial Lab Multi-readerTM

Easy & fast,100% quantitative analysis

RVLM-controls incubation time and temperature automatically



-detects and indicates the number of viable bacteria (CFU) of the vials separately and continuously by every station

