

**AUTOMATION**  
2018

*Microbiological*

**4.0**

**Qualitative/Quantitative**

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*Fully Automatic Food Safety Analytical System*

**Royal Biotech**  
[www.royalbiotech.com](http://www.royalbiotech.com)

# RVLM 4.0

Microbiological Analytical System



*Full  
Automation*

*One touch  
for all*

*Qualitative  
&  
Quantitative*

**RVLM  
4.0**

- *Qualitative & Quantitative Analysis*
- *No more sample preparing such as vortex for shaking*
- *Samples : semi-solid, power, liquid or surface*

**Samples without  
Pre-treatment**

***One Touch  
&  
Get the results***

**EASY  
FAST  
SMART  
PORTABLE  
SENSITIVE  
SELECTIVE**

## One Touch

- *One touch for all  
From samples preparing to results reporting*
- *Results got in 5—10 min if CFU is very high*
- *Remote Control by smart devices with secure ID/Password  
(optional function)*
- *Lighter and smaller system  
with USB port and universal AC adapter for outdoor and indoor*
- *Down to the theoretical detection limit,  
just 1 viable microbial cell present in the sample*
- *Up to the experimental limit of 99.999% with respect to  
other bacterial species*

RVLM  
4.0

## *Analytical Range*

- *Total Viable Cells*
- *Coliforms, E coli, E.coli 0157*
- *Enterobacteriaceae*
- *Staphylococcus aureus*
- *Pseudomonas aeruginosa*
- *Salmonella Spp.*
- *Listeria Spp.*
- *Enterococcus (Streptococcus ) facials*
- *Yeast (e.g. Saccharomyces spp.)*

# APPLICATION



- *Microbiological analysis*
- *Hygienic control*

- *Semi-solid*
- *Power*
- *Liquid*
- *Surface*

- *Indoor or Outdoor*
- *Inspection by law or self-control*
- *Laboratory, kitchen, or inside the car*
- *Personal, Family, Business, or Government*

- *Food*
- *Water*
- *Tool*
- *Cosmetics*

**RVLM  
4.0**

## **Specifications**

### **Fully Automation**

*Consistent and stable control of incubation temperature, shaking speed, and time duration*



### **Pass or Fail Assessment**

*Critical points setting for programs that use pass/fail summary*



*Analyze 16 tubes/vials simultaneously*

*Operating automatically or by manual*

*Power supply : 100-240 V voltages, 50-60 Hz*

*Speed range : 300-3,000 rpm*

*Heating rate : 20 degree C to 60 degree C*

*Time range : 1 second to 168 hours*

*User ID/Password Setting*



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