

# Easy Plate



**“A solution that makes  
microbiological testing  
for food easier! “**

# Easy Plate



## PRODUCTS

Easy Plate™ AC



Aerobic Bacteria

Easy Plate™ CC



Coliform

Easy Plate™ EC



*E.Coli* / Coliform

Easy Plate™ SA



*Staphylococcus aureus*

Easy Plate™ YM-R



Rapid type  
Yeast and Mold

Easy Plate™ EB



*Enterobacteriaceae*

Easy Plate AC-R



Rapid type  
Aerobic Bacteria

UNDER  
DEVELOPMENT

Easy Plate LS



*Listeria spp*

ADS-4300N  
(Brother Industries, Ltd.)



Colony Counting System  
(Provided for free)



# Easy Plate



## Simple & Reduce time

Preparation is not needed!  
1ml of sample  
No spreader required!



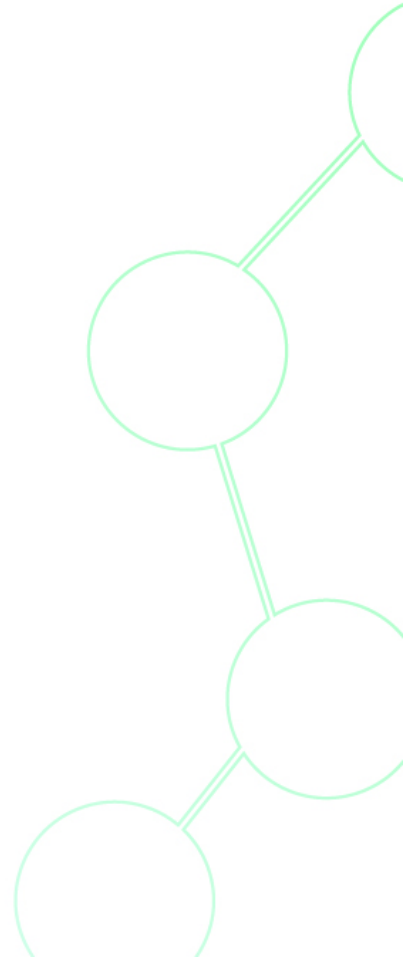
## Space Saving & Eco-friendly

95% space saving for cultivation  
Easy dispose and reduces waste



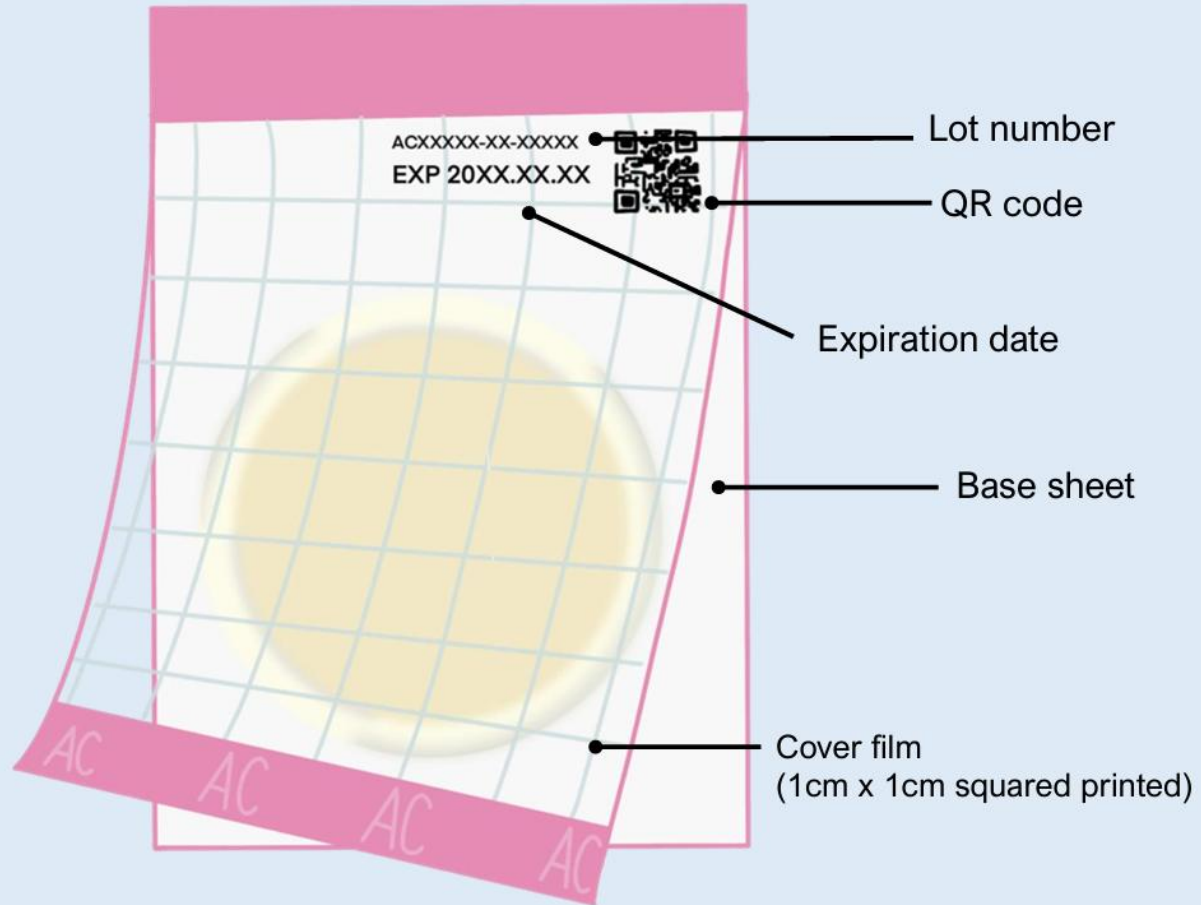
## Accuracy & Visibility

Good visibility of colonies  
AOAC PTM certified (AC,CC,EC,SA)  
High correlation between various agar medium



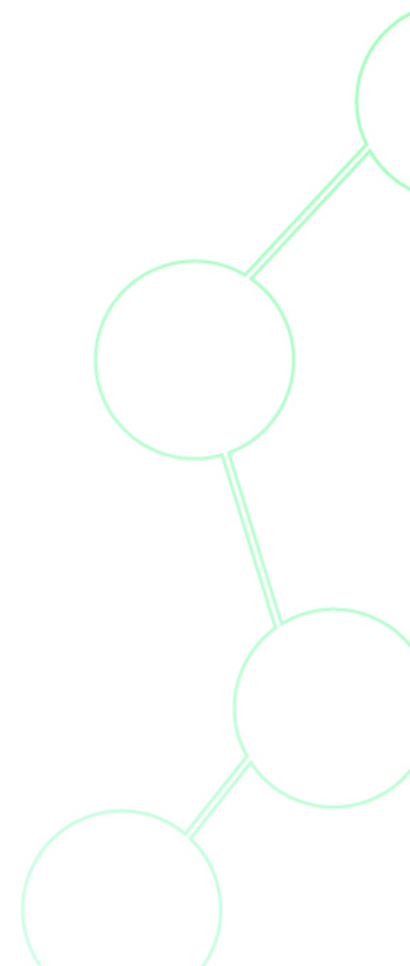
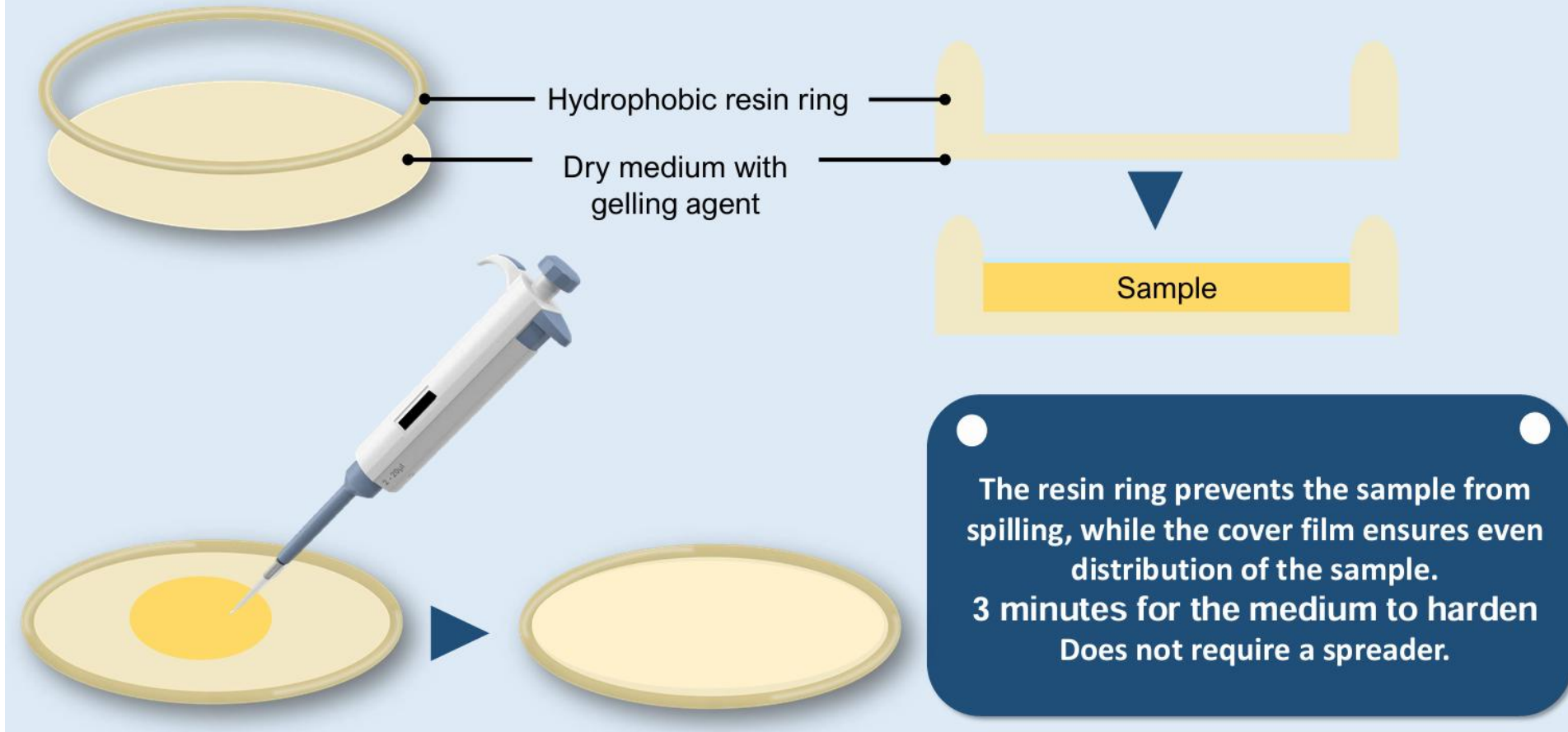
# Easy Plate

## ◆ STRUCTURE ◆



# Easy Plate

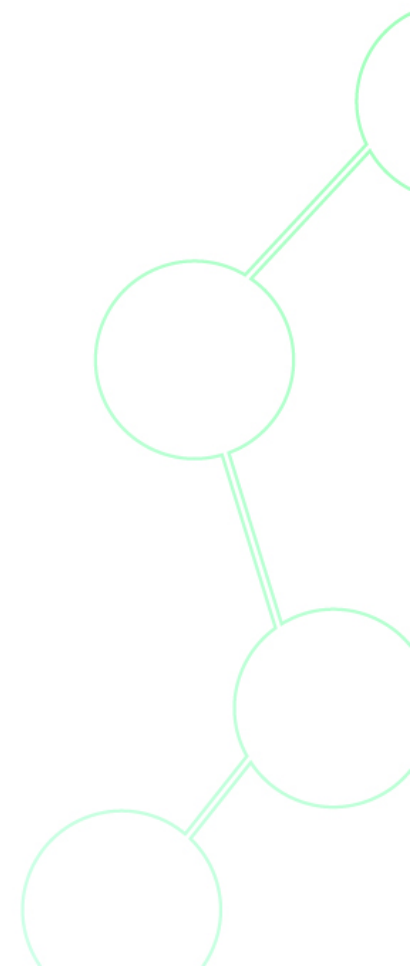
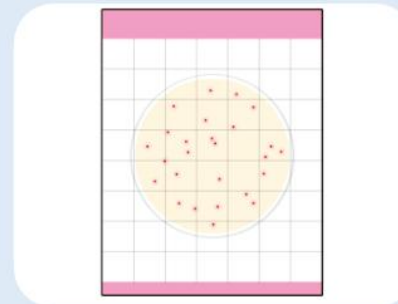
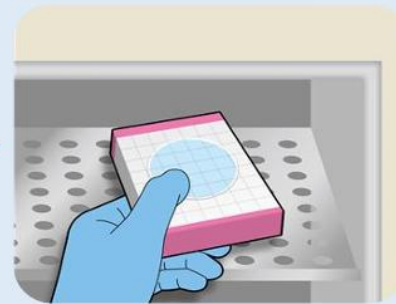
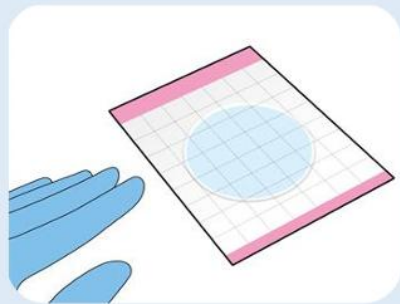
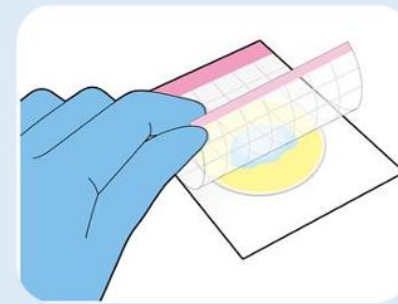
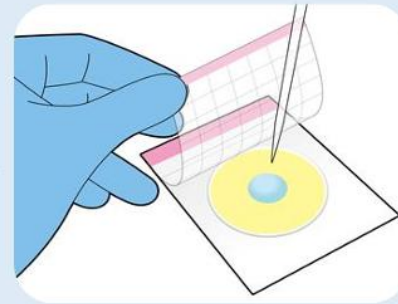
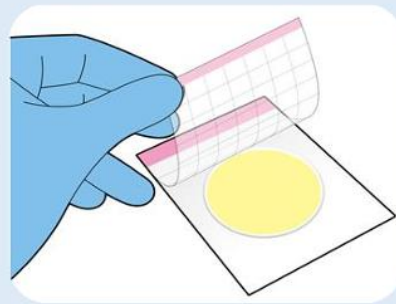
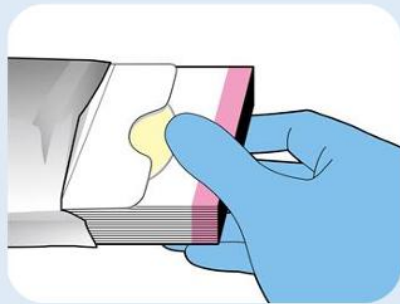
## ◆ STRUCTURE ◆





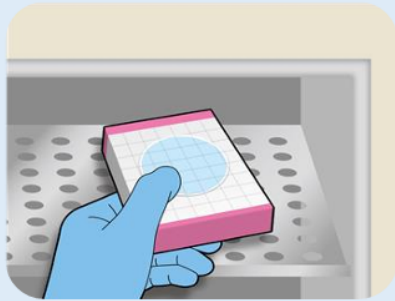
# Easy Plate

## PROCEDURE

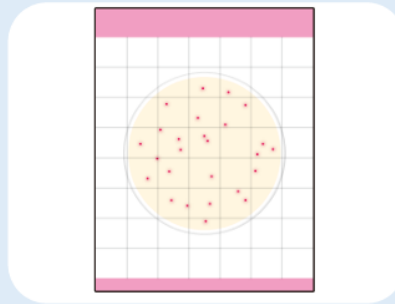


# Easy Plate

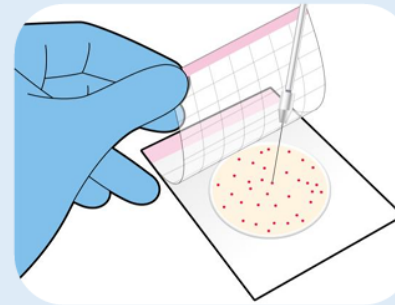
## ● ● Colony Isolation Method



Incubate



Confirm colony growth



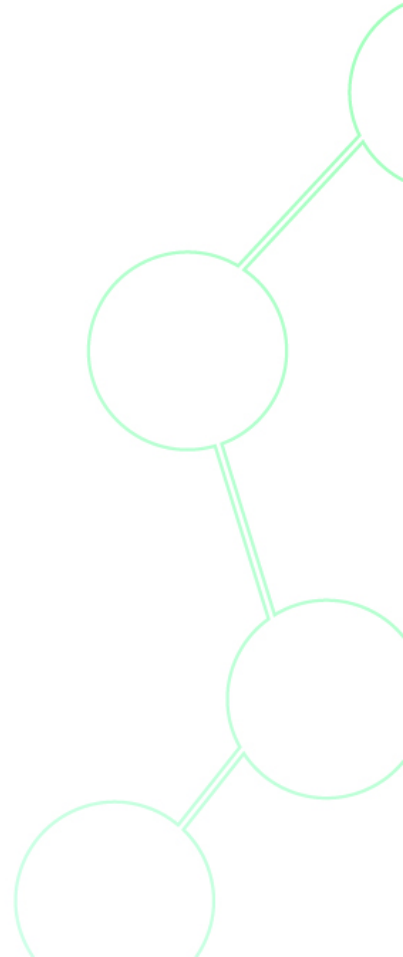
Lift the cover and pick a single colony from the gel.

### Lift the Cover Film:

- Gently lift the cover film of the Easy Plate to expose the gelled medium.

### Isolate the Colony:

- Using the sterile inoculation loop or needle, gently touch the surface of the selected colony on the Easy Plate's gelled medium.
- \*If colonies adhere to the cover film, they can still be collected from the reverse side.



# Colony Counting System



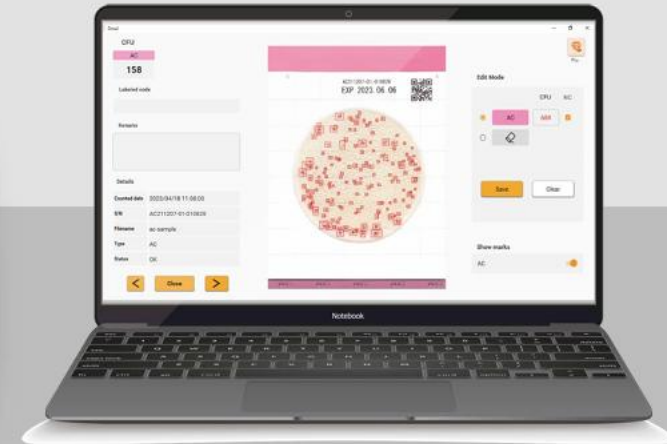
**Easy Plate Series**  
(AC, CC, EC, SA, YM-R)



**ADS-4300N**  
(Brother Industries, Ltd.)



**Colony Counting System**  
(Provided for free from  
Kikkoman Biochemifa Company)





# Colony Counting and Archiving



## Export results

datetime	file_name	serial_num	labeled_c	iplate_type	colony1_t	colony1_c	colony1_is	colony1_s	colony1_c	colony2_t	colony2_c	colony2_is	colony2_s	colony2_c	sum_cour	sum_is	n_sum	is_ersu
#####	Scan_Eas:SA220201-01-00228	SA	7	0	0	7	0	0	0	0	0	0	0	0	7	0	0	0
#####	Scan_Eas:AC211207-01-01083	AC	158	0	0	158	0	0	0	0	0	0	0	0	158	0	0	0
#####	Scan_Eas:CC211130-01-00032	CC	130	0	0	130	0	0	0	0	0	0	0	0	130	0	0	0

Results can be output in CSV or PDF

No.1	SA	CFU	SA:7 Sum:7
	Remarks		
	Labeled code		
	S/N	SA220201-01-002285	

No.2	AC	CFU	AC:158 Sum:158
	Remarks		
	Labeled code		
	S/N	AC211207-01-010828	

No.3	AC	CFU	AC:NC(194) Sum:NC(194)
	Remarks		
	Labeled code		
	S/N	AC211207-01-010830	

No.4	CC	CFU	CC:130 Sum:130
	Remarks		
	Labeled code		
	S/N	CC211130-01-000326	

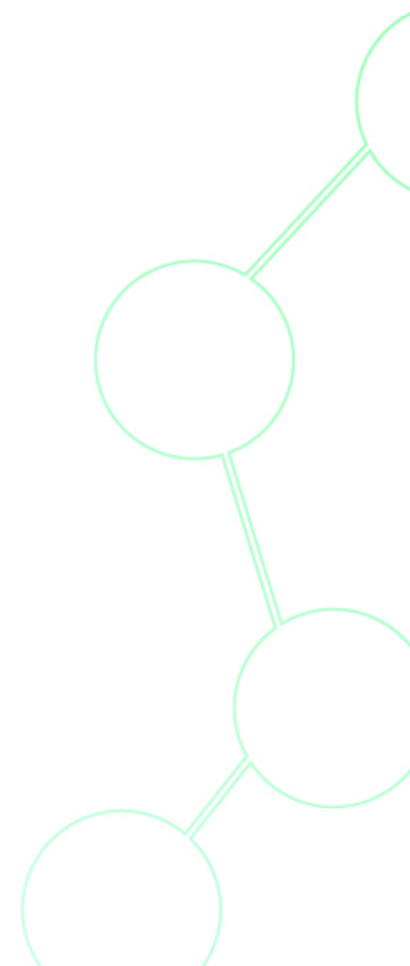
# Colony Counting System



## Customize QR codes



Place the label on the top left of the Easy Plate. Make sure it does not cover the original QR code.



# Colony Counting System



## Customize QR codes

The screenshot shows a software interface for colony counting. On the left, a "Detail" panel displays CFU results for E. coli (66) and Coliform (106), with a total of 172. A "Labeled code" field is highlighted with a red box and contains the text "14Coliform 10EC". Below this is a "Remarks" field and a "Details" section with metadata like "Counted date" and "S/N".

In the center, a petri dish image shows a grid of colonies, with some marked with blue and red squares. A QR code is overlaid on the image, also highlighted with a red box. A large red arrow points from this QR code to the right-hand panel.

On the right, a control panel allows for selecting and saving counts for "E. coli" (66) and "Coliform" (106). It includes "Save" and "Clear" buttons and a "Show marks" section with toggle switches for "E. coli" and "Coliform".

The QR code information should match the “Labeled code”.

# Colony Counting System



## Customize QR codes

CCS for Easy Plate

**Start** Finish

Counted date: [ ] ~ [ ] Type: [ ]

Labeled code: [ ] CFU: [ ]

Remarks: [ ] S/N: [ ]

Counted date	Image	Type	CFU	Remarks	Labeled code	S/N	Filename
2024/10/15 17:31:26		EC	E. coli:NC(66) Coliform:NC(106) Sum:NC(172)		14Coliform 10EC	EC240112-01-027262	Scan Easy Plate ADS 4300N2024-10-15_172847_006
2024/10/15 17:31:26		YM-R	Mold:NC(38) Yeast:NC(14) Sum:NC(52)		9Yeast 10YM-R	YM231206-01-024155	Scan Easy Plate ADS 4300N2024-10-15_172847_010
2024/10/15 17:31:26		YM-R	Mold:NC(10) Yeast:NC(83) Sum:NC(93)		10Yeast 10YM-R	YM231206-01-024155	Scan Easy Plate ADS 4300N2024-10-15_172847_009
2024/10/15 17:31:26		SA	9		8Staph 10SA	SA240112-01-027262	Scan Easy Plate ADS 4300N2024-10-15_172847_008
2024/10/15 17:31:26		YM-R	Mold:NC(2) Yeast:NC(24) Sum:NC(26)		11Mold 10YM-R	YM231206-01-026017	Scan Easy Plate ADS 4300N2024-10-15_172847_009
2024/10/15 17:31:25		AC	250		1Beef 1AC	AC240119-01-004946	Scan Easy Plate ADS 4300N2024-10-15_172847
2024/10/15 17:31:25		AC	NC(168)		2Beef 1AC	AC240119-01-005619	Scan Easy Plate ADS 4300N2024-10-15_172847_001
2024/10/15 17:31:25		CC	127		3Salad 1CC	CC231207-01-011529	Scan Easy Plate ADS 4300N2024-10-15_172847_003
2024/10/15 17:31:25		CC	168		4Salad 1CC	CC231207-01-011557	Scan Easy Plate ADS 4300N2024-10-15_172847_002

**The QR code information will appear on the "Labeled Code".**