



Peel Plate Colony Counter

Advancement in Food Safety Monitoring



Simplify Food Safety Monitoring

Portable The Charm Peel Plate Colony Counter is a stand alone unit that does not require a separate computer connection.

Accurate Increase productivity and reduce human error with accuracy within 10 % of an experienced microbiologist's visual count. The Peel Plate Colony Counter is able to detect and quantify spreader colonies on Peel Plate tests.

Reliable Calibration Checks Safeguard test results by stopping testing when out of specification. Frequency of calibration checks are customized to occur on start-up and after a programmed number of Peel Plate tests have been counted.

Result Review Raw images, processed images, and test results are all stored as .jpgs. Results can be reviewed by users and administrators as .csv files or exported directly into an SQL (or compatible) database.

Secure and Customizable Two different user levels allow for Operators to run tests and review results and Administrators to archive data, set up new Operators, and set up new Peel Plate types.

HOW TO RUN A TEST USING THE PEEL PLATE COLONY COUNTER

1.



Select Peel Plate Product Type

2.



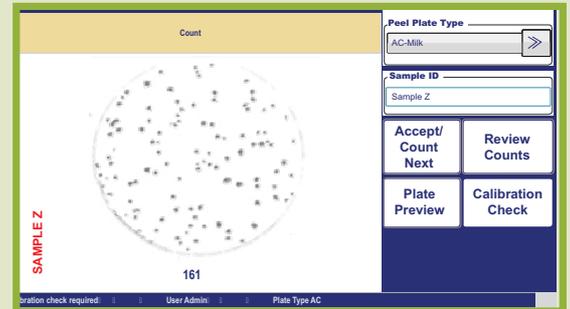
Enter Sample ID Type

3.

**Accept/
Count
Next**

Press Accept/
Count Next Plate

4.



Results on Counter

See Operator's Manual for complete instructions



Simple Procedure

1.



PEEL

2.



VERTICALLY PIPET
within 2 to 3 seconds

3.



SEAL

4.



INCUBATE
at specified temperature
and times.

5.



COUNT

Instrument Overview

The **Peel Plate Colony Counter** is the best system for accurate and reliable counting of microbial colonies.

Results in **5 seconds** or less!

Ergonomic Design

A durable molded casing

Barcode Scanner

For Rapid Sample ID Entry

Ergonomic Plate Nest

No lids or latches



Touch Screen

Simple Menu Selection

Power On/Off

USB Port

Option Barcode Scanner



Wireless keyboard / touch pad

12V input

USB Port

Real-time Print Option

Ethernet

Onboard Ethernet and wireless for Real Time downloading of test results into SQL database.

Backside

Results Review

Review Records (556 found for the month of Jul, 2016)

Peel Plate Type: CC meat
Date: 07-07-16 Time: 09:27:05 User: Charm
Note: Error
Count: 117 Sample ID: T17

DAY WEEK MONTH
PREV NEXT ALL

Date	Peel Plate Type	Count	Sample ID
07-07-16	AC-Milk	E 0	3 milk b
07-07-16	AC-Milk	E 0	2 milk c
07-07-16	AC-Milk	E 0	1 milk con
07-07-16	Caltrate	116	High Caltr
07-07-16	Caltrate	0	Low Caltr
07-07-16	CC	T27	ss
07-07-16	CC	T26	aa
07-07-16	AC-Buffer	TNTC	asdf
07-07-16	AC-Buffer	TNTC	asc
07-07-16	AC-Buffer	E 327	-0 eccl
07-07-16	CC meat	T17	1 meat

Archive Records to USB Exit

R = 17 T17 B = 0

Count Images The Peel Plate Count images circle the colonies counted on each test result. The images are saved as .jpeg and viewable.

Review Counts All Data is reviewable by day, week, month, with touch of a button. Each test result includes the Peel Plate Type, Date, Time, User name, Sample ID, Dilution, Color Count and Total Count, Note, and Error.

Archive Records to USB The selected test results are exported along with the linked raw and processed images, to Excel or integration into LIMS.

Charm's **Peel Plate Colony Counter** software provides complete data management

Maximize Your Investment

One Instrument Supports Multiple Tests: The Charm Peel Plate Colony Counter analyzes a variety of Peel Plate Microbial Tests.



Charm Peel Plate AC Microbial Tests (Aerobic Count)



Charm Peel Plate CC Microbial Tests (Coliform)



Charm Peel Plate EB Microbial Tests (Enterobacteriaceae)



Charm Peel Plate EC Microbial Tests (*E. coli* and Coliform)



Charm Peel Plate YM Microbial Tests (Yeast and Mold)

BENEFITS OF CHARM PEEL PLATE MICROBIAL TESTS

- Ready-to-use. Just add sample/dilution. No spreading device needed.
- Etched grid lines for estimated counts.
- Colonies easily picked for additional isolation/classification.
- Convenient plate stacking for improved air circulation.
- Buffered formulation – pH not required for most samples.
- 12 month refrigerated shelf-life in a resealable foil zip bag.
- 47 mm diameter convenient for sample filters for 100 mL water samples or larger, like water, wine and beverages.
- Robust performance with neutralizing buffers used in environmental surface samples.

Specifications

Description:	Integrated high resolution camera with integrated computer running customized software
Outputs:	Printer/Ethernet/Storage Device
Inputs:	Wireless keyboard with track mouse/Optional barcode
Unit Dimensions	12.6 x 9 x 11 inches (32 x 22.86 x 16.764 cm, W x H x D)
Screen Dimensions	6.75 inches measured diagonally
Weight	10 lb
Input AC Power	100 – 240 VAC 50/60 Hz
Memory Capacity	66,000 test results
Order Code	PP-COLONYCOUNTER



659 Andover Street, Lawrence, MA 01843-1032, USA
 T +1.978.687.9200 | F +1.978.687.9216 | E info@charm.com | www.charm.com

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