

# Documentation System - ColonyDoc

## Description

Colony counting made easy.

- Quickly and accurately count colonies with the quick click software interface
- Easily process time lapse counting and zone sizing
- Spiral and inhibition zone analysis supported through annotation features
- Streamline your research with multiple excitation sources to visualize white light and fluorescent colonies

The unique ColonyDoc Imaging Station enables researchers to quickly and accurately count colonies. The high resolution digital color camera identifies the smallest colonies. Plate and filter sizes from 33 – 150 mm can be accommodated.

Doors create a darkroom environment, eliminating ambient light. Applications include microbiology, hygiene studies, antibiotic testing, quality control GFP colonies, and fluids contamination.



ColonyDoc

## Specifications

- DigiCam digital color camera with 24 megapixel resolution
- Select from several light sources for illuminating a wide range of stained media
- Slide the filter selector to one of two positions
- A wide range of emission filters are available
- The plate alcove accommodates pour, spread and spiral plates and filters with sizes from 33 mm to 150 mm
- Capture colony sizes as small as 0.08 mm
- Generate fast automatic and accurate colony counting with detailed statistics
- Define parameters including eight color differentiation, split or merge, filter by group or size
- Attach the door (not shown) to create a darkroom environment when imaging colonies with GFP fluorescence

## Applications

- Microbiology
- Hygiene studies
- Antibiotic testing
- Quality control GFP colonies
- Fluids contamination

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### Lightsources

- Darkfield
- Epi White
- Transillumination White
- Epi Blue

When colony samples require different light sources, the UVP ColonyDoc-It enables the easy selection of bright LED lighting.

The white light and fluorescent sources visualize a wide array of bacterial, yeast and mold colonies with samples found in air, water, food and cosmetics.

The blue light is used for colonies stained with green fluorescent protein (GFP).

Doors (detachable) create a darkroom environment when imaging colonies with GFP.

### Software

The UVP ColonyDoc-It software loads on your computer for camera control, image capture and analysis. The software enables automatic and manual colony counting capabilities.

Users can define specific counting parameters including color differentiation, splitting or merging colonies, identifying filters by group or size. Users can create templates for specific camera settings and analysis functions, allowing the same settings to be selected each time an experiment is run.

The accurate count and statistical reporting functions enable researchers to immediately identify and determine experimental parameters that are critical for colony growth.

The software generates statistics and displays the most critical information about the colony area, perimeter, average diameter and circularity. The data is easily exported into Excel.



ColonyDoc open

### Technical Data

Illumination	- Epi White - Transillumination White - Epi Blue - Darkfield
Filter	Two positions
GFP Filter	optional
Camera resolution	24 MP
Dimensions (L x W x H)	318 x 343 x 445 mm
Weight	9 kg
Operating Temperature	0°C – 40°C
Rel. humidity	< 85%
Nominal operating voltage	AC 230 V, 50 Hz, 0.13 A
Order No.	115.9830

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