

# schuett colonyQuant

## Automated colony counter

- software for selection according to colour, size and shape
- light-proof sample chamber with CCD-Firewire-camera (colour)
- image acquisition and simultaneous evaluation within seconds
- tables and images may be stored digitally
- agar plates, nutrient disks, inhibition zone analysis, spiral planting
- mixed cultures, up to 8 colours simultaneously per petri dish
- sectorial evaluation, 90% option
- in conformity with GLP

High throughput analysis of bacterial colonies or bacteriophage plaques in less than a second. The schuett colonyQuant is comprised of a CCD-Firewire camera (colour) with autozoom and autofocus, a light-proof sample chamber and the software for automated colony counting.

Differentiation by colour, size and shape to be combined at choice by the user. Additional features allow for separating overlapping colonies. Settings to be stored and retrieved via mouse-click for future analysis of similar type samples. The system is straightforward to use and the software is Windows® based. Results are presented as an image on your monitor or in a table exportable to Excel®.

Unique to the schuett colonyQuant is its ability:

- to process up to 400 petri dishes per hour with up to 1.000 counts per dish.
- accurate detection of difficult to identify colonies.
- mixed cultures - differentiation of colonies with up to 8 colours simultaneously.
- changeover from evaluating agar plates or to nutrient discs, to spiral plates, to inhibition zone analysis etc. can be effected by a simple mouse click.

The system has been designed for use with petri dishes of 60 and 90 mm diameter. As a result of using a LED-array to illuminate the surface of the agar circular from the side a hereto unknown transparency and sharpness for detecting colonies can be observed.

Typical applications (examples): Total number of colonies, Enterobacteria, nutrient disks and filter disks, chromogenic agar, high number of colonies (up to approx. 1.000 per petri dish), bacteriophage plaque assay, inhibition zones and dark agar.

### Technical Data

Dimensions (wxhxd):	240 x 460 x 240 mm
Power:	230 V (optional 115 V), 50 Hz, 60 W
Weight:	approx. 11 kg

### Minimum PC requirements:

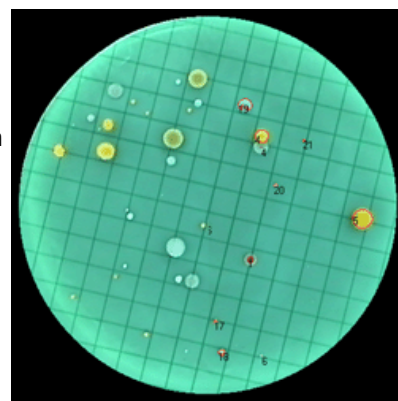
PC with Intel® Celeron D Processor 2.66 GHz, 512 MB storage capacity, 80 GB hard disk drive, with Firewire-card and with separate graphic-card (not on-board) incl. processor and min. 128 MB video memory, fully direct X conform (DX8/DX9). English language version of Windows XP Professional (OEM), Microsoft Works 8 (OEM), 16x DVD-Rom, 19" LCD monitor

### Alternatively:

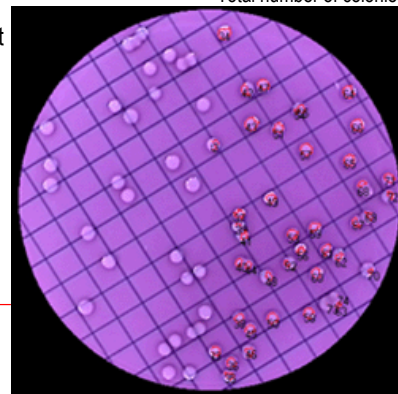
Notebook/Laptop with Intel® Core™ Duo Processor (1.60 GHz), 512 MB storage capacity, 80 GB hard disk drive, Firewire-input, with separate graphic card (not on-board) incl. processor and min. 128 MB video memory, fully direct X conform (DX8/DX9). English language version of Windows XP Professional, Microsoft Works 8 (OEM), 8x DVD +/- RW disk drive (built-in), 15.4"



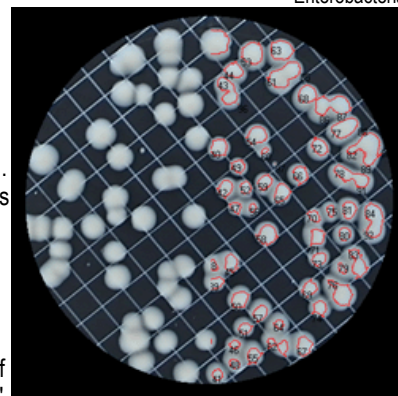
schuett colonyQuant automated colony counter with laptop



Total number of colonies



Enterobacteria



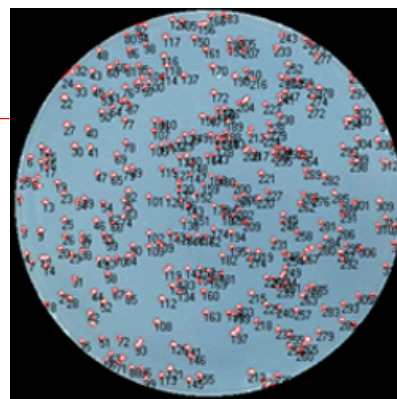
Brewer's yeast

TFT Display 1280 x 800

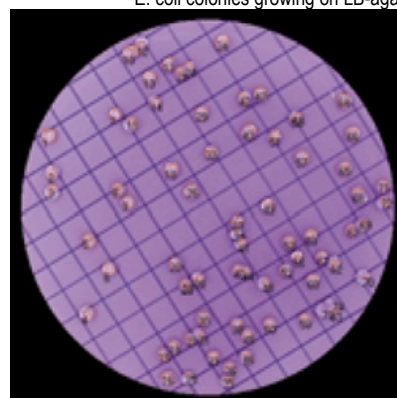
---

**Ordering Information**

Type	Cat.-No.
<b>schuett colonyQuant</b> Automated colony counter system, 230 V, consisting of: CCD-Firewire autofocus/autozoom camera (colour), Firewire connection cable, power cord, light-proof sample chamber (illumination from below or above selectable), counting software Windows based structure and icons, Windows XP compatible	<b>3.082 002</b>
<b>schuett colonyQuant with PC</b> (as 3.082 002) for equipment see "minimum PC requirements"	<b>3.083 002</b>



E. coli colonies growing on LB-agar



E. coli colonies