NORDEN

PROFESSIONAL EDITION
## SOFTWARE FOR BIOSCREEN-C

This new scientific software package enables experimental management and design, private secure unattended measurement, statistical analysis, graphical presentation and reporting for the *Bioscreen-C* automated microbiology growth curve analysis system.

Norden Lab *Bioscreen-C* Edition is a comprehensive set of tools that facilitates easy export of information into standard formats for graphs and reports. Superb graphics capabilities meet the needs of both basic and advanced users.

Users can schedule, activate, pause, and continue experiments. Bar code definitions and printing utilities are included in the system. The software will support up to eight Bioscreen systems running simultaneously.

It adds features and functions that have not been previously available on *Bioscreen-C*:

➤ Private, secure, unattended measurement

➤ Observation over a network or internet

➤ E-mail notification keeps user informed and in full control of experiment

➤ Interactive 2D and 3D graphics: view desired line or rotate graph into perspective

➤ Export data during measurement period into a choice of formats

➤ Visual sample and well selection

➤ Precise control: over 40 shaking modes, pulse variation, real-time mode preview
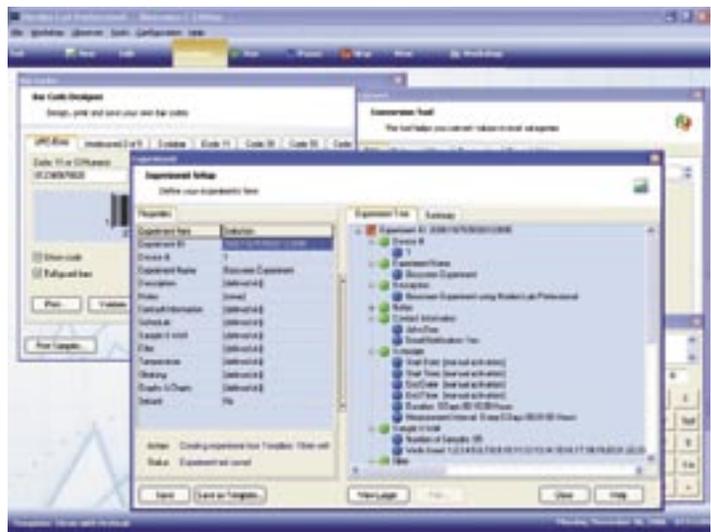
Professional Edition contains everything you need to get the most out of your *Bioscreen-C*. Norden Lab Professional Windows enables you to create, manage, observe, manipulate experiments. Windows tray application provides status monitoring, power management driver, e-mail notification and alerts.

Two powerful Add-ons are available:

Lab Web Add-On provides powerful web internet capability, with an embedded web server that supports all major web browsers, including mobile browsers. Observe and control your experiment from any location that has an internet connection. It is password protected.

Lab Network Add-On makes the Professional Edition a high-performance multi-threaded TCP/IP network server. You can observe and control your experiment from home or office via a VPN connection. Lab Network comes with four network licenses.

Growth Curves USA
Automation Tools for Microbiology
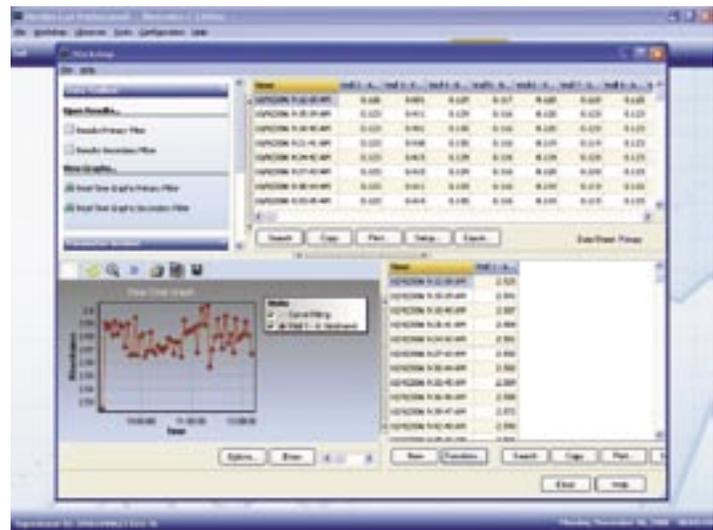
Norden Professional Edition Software for Bioscreen-C

Setting up the experiment

Choice of computers	Run on PC with Windows, or with Apple
Capable database engine	Built-in tools for maintenance and critical operation
Experiment design	User-defined parameters, better experimental control
Select 'Summary'	Print report of your selected settings
Filter selection	Use up to 2 filters during the experiment
Temperature settings	Select temperature, variation, preheat parameters
40 built-in shaking modes	Fine-tune exact shaking condition; optimize results
Visual well selection	Pick any group of wells needed for the experiment
User-defined blank value	Automatic subtraction of background OD
Select 'Schedule'	Start and stop experiment at user-defined times

Running the experiment

Experiment management	User can change conditions during run
Experiment observer	Check progress of experiment; get relevant info.
Notes	Include details of experiment
Internet observation	User can monitor results without being in lab
E-mail notification	User is alerted to problem even if he's not present
Secure; password protected	Only qualified users can operate it
Event viewer	Error or warning messages are easily spotted
Graphical results in real time	See what is happening while experiment is running
Run up to 8 Bioscreens at once	Do multiple large-scale experiments in parallel
Pause + Continue	Can change experiment conditions w/o stopping run

Analyzing results of an experiment

Statistical analysis	Flexible techniques; Examine data in different ways
8 statistical functions	Graph drawn automatically + shows function selected
6 formats for data export	Easily integrate results with data from other sources
Interactive graphics	Better visualization: 2D ➞ 3D; can rotate 3D image
Template design	Set up experiment conditions once; repeat as needed
Experiment histor	Look up parameters of previous experiments
Easy back-up and restore	No lost data or need to repeat experiments

Requirements: Microsoft Windows 2000 or above, Intel Pentium II 500MHz processor, 512 MB memory, DVD/CD-ROM drive, 40 GB hard disk or higher, 1024x768 graphics resolution, 32-bit color, RS-232 serial port, multi-I/O card, RS232 to USB adapter.

Growth Curves USA

Automation Tools for Microbiology

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