

Just what you'd **expect**
from the centrifugation **leader**.

Optima™ L-XP „new edition“ Series Ultracentrifuges

Key Features

- Unsurpassed mechanical safety
- eXPert solutions for Remote Monitoring and data Export
- Innovative technology
- Large interactive, easy to read, instrument touch screen
- New windows based eXPert-software

Beckman Coulter, world leader in centrifugation for more than 60 years, again raises the bar for intelligent ultracentrifugation with its enhanced Optima™ L-XP „new edition“

OPTIMA™ EXPERT Features

... technology based on over 60 years of Ultracentrifuge manufacturing experience

Unsurpassed mechanical safety

Innovative but not compromising on safety this reliable platform has gone through the most thorough safety testing including MCA (Most Credible Accident) testing. The Beckman Coulter DRIC (Dynamic Rotor Inertia Check) technology reliably avoids rotor overspeed.

eXPert solutions

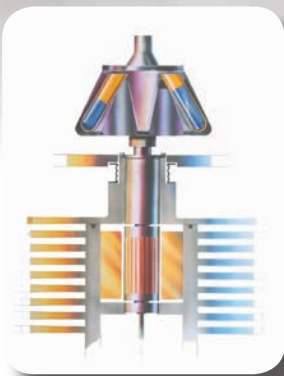
for Remote Monitoring and Data Export:

First preparative Ultracentrifuge equipped with Ethernet connectivity for Remote Monitoring and USB port(s) for method, data and logfile export.

Innovative technology

The Optima L-XP combines Beckman Coulter's well known reliability with the most innovative technology including large touch screen, windows based user interface and instrument software. Platform technology includes refrigerant free temperature control system, moisture purging vacuum system and reliability features such as run continuation after power failure.

Clean room compatibility and BioSafe options are also available.



OPTIMA™ EXPERT SOFTWARE

... So advanced, it almost thinks for you.

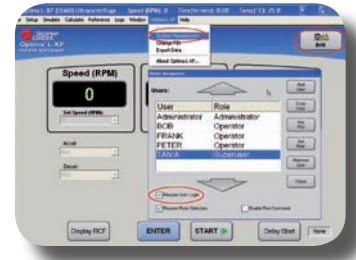
Security

that provides peace of mind. Password protection for up to three levels of users enables you to grant the appropriate level of access to users. Additional security features include customizable User IDs and automatic logout following inactivity to safeguard your data.



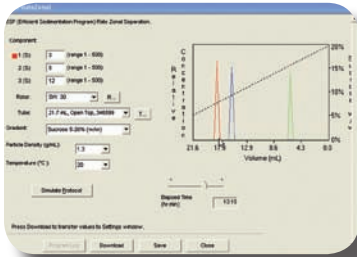
Documentation Traceability

that tracks every move. Expanded run documentation tracks and records even the smallest details of your separation procedures, with direct USB access for exporting Program, Run and Rotor History, Logs and Archives.



Convenience

that saves valuable time and resources. Remote monitoring and control capability using the same user interface as the on-instrument touch screen frees you from the lab to continue your work day and a simple ethernet connection expedites networking. Also, you can choose run programming in RPM or RCF to meet your application needs.



eXpert Software

Includes on-board interactive calculators and ESP (efficient sedimentation program) simulation software. The ESP software allows method development of pelleting, rate-zonal and isopycnic type separations, with the potential to save hours of needless run time. Calculated run parameters are optimized and safety checked for the specific tubes in use and can be downloaded to the instrument's control screen by just pushing a button.

Specifications

Part No.
Maximum Speed
Maximum g-force
Dynamic rotor inertia check (DRIC)
Speed control
Sample imbalance Tolerance
Restart after power failure
Drive cooling
Refrigeration system
Set temperature
Temperature Control
Ambient operating range
User-settable programs
Acceleration/deceleration rates
Moisture-purging vacuum system
Rotor logging
Heat output
Sound level
Rotor Safety
Biosafety
Dimensions H x W x D cm
Weights

Optima™ L-100 XP „new edition“

392050
100,000 rpm
802,400 xg
yes
+/- 10 rpm of set speed
+/- 5 mL or 10%, whichever is greater
yes
Air-cooled
Thermoelectric - no CFCs, ODCs
0 to 40 degrees Centigrade °C in 1 degree increments
+/- 0.5 degrees of set temperature
10 to 40 degrees Centigrade °C
Virtually no limit to the number of user programs
10 accel/11 decel
Yes
Automatic (including rotor serial number)
1.0 kW/Hr (3400 BTU/Hr)
< 53 dBa
Inbuilt
Optional
125.7 x 94.0 x 67.3
465 kg

Optima™ L-80 XP „new edition“

392049
80,000 rpm
548,000 xg
yes
+/- 10 rpm of set speed
+/- 5 mL or 10%, whichever is greater
yes
Air-cooled
Thermoelectric - no CFCs, ODCs
0 to 40 degrees Centigrade °C in 1 degree increments
+/- 0.5 degrees of set temperature
10 to 40 degrees Centigrade °C
Virtually no limit to the number of user programs
10 accel/11 decel
Yes
Automatic (including rotor serial number)
1.0 kW/Hr (3400 BTU/Hr)
< 53 dBa
Inbuilt
Optional
125.7 x 94.0 x 67.3
465 kg



Simplify • Automate • Innovate