

## Gyrolab® Workstation LIF

### Equipment

Gyrolab Workstation LIF (P0001661) containing  
 Computer (Control Unit, Monitor, Keyboard, Mouse, Cable set)  
 Gyrolab Workstation Control Software  
 Gyrolab Bioaffy Software Package  
 Gyrolab Workstation User Guide (CD)

### Specifications

Dimensions: (w x d x h)	120 x 60 x 90 cm
Weight:	145 kg
Mains voltage:	100 - 240 VAC, 50/60 Hz, 880 VA
Spinner:	
maximum acceleration	6000 rpm/second
rpm range	0 - 10 000 rpm
Detection principle:	Laser-induced fluorescence (LIF). Confocal optics with HeNe laser (633 nm) excitation source and photomultiplier detection
Loading capacity microplates:	Up to 5 microplates for samples, 1 - 5 microplates for reagents and standards

*Gyrolab Workstation Control Software with Gyrolab Viewer and Gyrolab Evaluator*

Data compatibility:	Selection of output data formats supplied, can be customized for other evaluation software
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*With Gyrolab Bioaffy*

Carry over from needles:	1/10 <sup>4</sup> , for hTNF $\alpha$ , using Gyros diluents and default wash settings
Unattended operation:	Up to 5 Gyrolab Bioaffy CDs per batch

### Operational conditions

Temperature	Room temperature, + 20 to +28 °C
Relative humidity:	20 to 80 %, non-condensing



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## Gyrolab<sup>®</sup> Workstation LIF

### Site preparation requirements

The instrument is designed for indoor use only.

All installation requirements have to be met prior to scheduling the installation.

#### Location requirements

bench depth	25" (0.62 m)
bench length	84" (2.20 m)
bench load	352 lbs (160 kg)
overhead clearance	43" (1.10 m)

<i>Ambient temperature range:</i>	68 – 82 degrees F (20 – 28 degrees C)
<i>Ambient humidity range:</i>	20 – 80 % relative humidity (non-condensing)

Note: Place away from direct sunlight and any other heat source! Place in a vibration free location.

### System power requirement

mains voltage	100 – 240 Volts (US and JP standard: 15 A power outlet; Europe standard: 10 A outlet)
power	880 VA
frequency	50 – 60 Hz

### Air supply requirement

pressure	66-145 psi/0.45-1 Mpa/4.5-10 bar
flow rate	<i>Average at 0.45 MPA:</i> 5.3 cfm / 150 NI/min / 2.5NI/s

Maximum under 5 seconds period at 0.45 MPa

10.9 cfm / 310 NI/min / 5.2 NI/s 150 NI/min at 4.5 bar

air quality:	Particle size not exceeding 1 micron Oil content not exceed 0.1 mg/m <sup>3</sup> Water content not exceed 940 ppm
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air connection:	A hose barb suitable for a hose with an inner diameter of 10 mm and outer diameter of 15 mm. The point of connection should be within 10 feet (3 m) of the instrument.
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### Other:

Capability to provide degassed de-ionized water using an ultrasonic bath with a vacuum or magnetic stirrer plate with a vacuum

## Gyrolab Bioaffy® 200

### Equipment

Gyrolab Bioaffy 200 (P0004180; minimum order of 5 CDs )

### Specifications

Column packing:	Streptavidin-coated Dynosperes™
Column size:	Designed for 15 nl
Detergent compatibility:	0.2% Tween 20, 40 % Methanol, 30% Dimethyl sulfoxide (DMSO), 30% 2-Propanol
Volume definition:	Designed for 200 nl
Number of microstructures	112 structures available for assay
Assay time:	1 Gyrolab Bioaffy CD in 50 minutes
Storage:	+4 to +8 °C
Shelf life (unopened package):	12 months under recommended storage conditions
Shelf life (opened package)	Two weeks under recommended storage conditions



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