

Wir machen Qualität sichtbar Nous rendons la qualité visible Making quality visible

MICROSCOPY • METROLOGY SERVICES

Sµisse made.

Showroom
Bettlachstrasse 2
CH-2540 Grenchen
Tel +41 32 654 21 00
Fax +41 32 654 21 09

RYF SA Showroom, Sales Office Route de Genève 9c 1291 Commugny Tél +41 22 776 82 28 Fax +41 22 776 82 29 RYF AG (Zürich) Sales Office Bahnhofstrasse 17 8400 Winterthur Tel +41 52 560 22 25 Fax +41 52 560 21 0

Binocular brightfield Microscope Optika B-292 / B-292RE







Sµisse made.

RYF AG Showroom Bettlachstrasse 2 CH-2540 Grenchen Tel +41 32 654 21 00 Fax +41 32 654 21 09 RYF SA Showroom, Sales Office Route de Genève 9c 1291 Commugny Tél +41 22 776 82 28 Fax +41 22 776 82 29 RYF AG (Zürich) Sales Office Bahnhofstrasse 17 8400 Winterthur Tel +41 52 560 22 25 Fax +41 52 560 21 0

Binocular brightfield Microscope Optika B-292 / B-292RE

Observation Method - Transmitted Light	Brightfield	Yes
	Darkfield	As optional
	Simple polarized light	As optional
		100 pt
Main Body	Туре	Upright
	Construction material	Aluminum die-cast
	Trasportation handle	Yes
		78
Head	Туре	Binocular (Siedentopf)
	Inclination	30°
	360° rotating	Yes
	Interpupillary distance (mm)	48-75
	Dioptric adjustement	On left tube
	Fixing screw for eyepieces	Yes
	Tube inner diameter (mm)	23
	A CONTRACTOR OF THE PARTY OF TH	
Eyepleces	Field number (mm)	20
	Magnification	10x
	Pointer	As optional
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	21
	High eyepoint (for glass wearers)	Yes
	Rubber cup	Yes
Nosepieœ	Positions	Quadruple
	Reversed	Yes
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS
Objectives	Optical system	160
	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	40x-1000x
	Туре	N-PLAN
	Objectives included	4x/0.10, W.D. 15.2 mm
		10x/0.25, W.D. 5.5 mm
		40x/0.65, W.D. 0.45 mm
		100x/1.25 (Oil/Water), W.D. 0.13 mm
		Terrore and the second
Stage	Туре	Double layer
	Dimensions (mm)	150x139
	Moving mechanism	Rackless
	Moving range (mm)	75x33
	Material	Anti-scratch painting
	Specimen holder	Yes
	Slide number	1
	X-Y Vernier scale	Yes
	Vernier scale accuracy (mm)	0.1



Sµisse made.

Showroom

Bettlachstrasse 2

CH-2540 Grenchen

Tel +41 32 654 21 00

Fax +41 32 654 21 09

RYF SA Showroom, Sales Office Route de Genève 9c 1291 Commugny Tél +41 22 776 82 28 Fax +41 22 776 82 29 RYF AG (Zürich) Sales Office Bahnhofstrasse 17 8400 Winterthur Tel +41 52 560 22 25 Fax +41 52 560 21 0

rvfag.c

Binocular brightfield Microscope Optika B-292 / B-292RE

Condenser - Single Position	Туре	Abbe
	Removable	Yes
	Numerical aperture (N.A.)	1.25
	Magnification scale for simplified positioning	Yes
	Diaphragms	Iris
	Centrable	Yes
	Focusable	By rack and pinion
Focusing System	Туре	Coaxial coarse & fine
	Coarse total travel (mm)	18
	Fine total travel (per single rotation) (mm)	0.4
	Fine graduations	100
	Fine resolution (µm)	4
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes
	No.	- 0
Transmitted	Kohler illumination	Fixed
Illumination	Туре	X-LED
	X-LED type	X-LED3
	Light source power (W)	3.6
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	Max. required power (W)	6
	2	
Power Supply for Transmitted Illumination	Туре	External
	Microscope connector	Jack, 2.1 mm
	Power plug type	Multi-plug (EU, UK, US)
	Input voltage	100/240 Vac, 50/60 Hz
	Output voltage	6 Vdc 2.5 A
	- 10	
Accessories included	Dust cover	Yes
	Immersion oil (10ml)	Yes
	Tension adjustment tool	Yes
	User Manual	Digital version (downloadable)
Additional Information		Mirror for transmitted light (as optional).
Additional Information		External rechargeable battery pack (as optional).
Product Dimensions	Height (mm)	370
	Width (mm)	235
	Depth (mm)	320
	Deput (min)	020
Product Weight	(kg)	6.5
r rouser freight	(19)	MMA.



Sµisse made.

Showroom Bettlachstrasse 2 CH-2540 Grenchen Tel +41 32 654 21 00 Fax +41 32 654 21 09 RYF SA Showroom, Sales Office Route de Genève 9c 1291 Commugny Tél +41 22 776 82 28 Fax +41 22 776 82 29 RYF AG (Zürich) Sales Office Bahnhofstrasse 17 8400 Winterthur Tel +41 52 560 22 25 Fax +41 52 560 21 0

Binocular brightfield Microscope Optika B-292 / B-292RE

Observation mode: Brightfield.

Head: Binocular, 30° inclined and 360° rotating. Interpupillary distance 48-75 mm.

Dioptric adjustement: On the left eyepiece tube.

Eyepieces: WF10x/20 mm, high eye-point and secured by screw.

Nosepiece: Quadruple revolving nosepiece, rotation on ball bearings.

Objectives: N-PLAN 4x/0.10, N-PLAN 10x/0.25, N-PLAN 40x/0.65 (N-PLAN 100x/1.25, Oil

/ Water) All with anti-fungus treatment.

Specimen stage: Double layer rackless mechanical sliding stage, 150×139 mm, 75×33 mm X-Y movement range. Vernier scale on the two axes, accuracy: 0.1 mm.

Focusing: Coaxial coarse and fine focusing mechanism with limit stop to prevent the contact between objective and specimen. Adjustable tension of coarse focusing knob.

Condenser: Abbe N.A. 1.25, with objective-coded iris diaphragm, focusable and

adjustable.

Illumination (Fixed Koehler type):

X-LED³ with white 3.6 W LED (6,300 K) and light intensity control. Multi-plug 100-240Vac/6Vdc external power supply.





Sµisse made.

Showroom

Bettlachstrasse 2

CH-2540 Grenchen

Tel +41 32 654 21 00

Fax +41 32 654 21 09

RYF SA Showroom, Sales Office Route de Genève 9c 1291 Commugny Tél +41 22 776 82 28 Fax +41 22 776 82 29 RYF AG (Zürich) Sales Office Bahnhofstrasse 17 8400 Winterthur Tel +41 52 560 22 25 Fax +41 52 560 21 0

ryfag.

Binocular brightfield Microscope Optika B-292 / B-292RE

Easy Transportation

B-292 has a carefully shaped design that gives stability and ease in the transportation. Thanks to the handle on the back, it can be safely moved around the classroom or the laboratory.



IOS – Infinity Optical System Laboratory grade optics

- » Plan achromatic optics with more than 90% flat field
 - » Optimum quality on 20mm field (N-PLAN)
 - » True infinity optical system

A COMPLETE SYSTEM

- » Optional 20x, 60x and 100x/oil objectives available (Set is either available with or without the 100x)
 - » Use the polarizing set without any distortion of the final image
 - » Fully centerable condenser for precise light control



Sµisse made.

Showroom
Bettlachstrasse 2
CH-2540 Grenchen
Tel +41 32 654 21 00
Fax +41 32 654 21 09

RYF SA Showroom, Sales Office Route de Genève 9c 1291 Commugny Tél +41 22 776 82 28 Fax +41 22 776 82 29 RYF AG (Zürich) Sales Office Bahnhofstrasse 17 8400 Winterthur Tel +41 52 560 22 25 Fax +41 52 560 21 0

ryfag.c

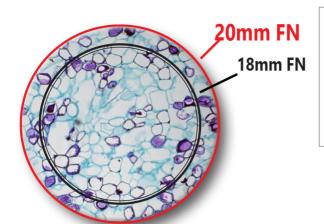
Binocular brightfield Microscope Optika B-292 / B-292RE

Safe & Convenient Operations

The rack less stage was designed with a belt-driven mechanism that allows a smooth movement without any protruding part.

This design gives you a more compact solution and lowers any risk of injury after accidentally hitting the rack with your hands.





Large Specimen View (20mm Field Number)

The **F.O.V.** (field of view) is based on a comfortable diameter of 20mm. This means that a wide area of the sample can be inspected and allows a natural and easy view, particularly needed in a laboratory environment.



Sµisse made.

Showroom
Bettlachstrasse 2
CH-2540 Grenchen
Tel +41 32 654 21 00
Fax +41 32 654 21 09

RYF SA Showroom, Sales Office Route de Genève 9c 1291 Commugny Tél +41 22 776 82 28 Fax +41 22 776 82 29 RYF AG (Zürich) Sales Office Bahnhofstrasse 17 8400 Winterthur Tel +41 52 560 22 25 Fax +41 52 560 21 0

Binocular brightfield Microscope Optika B-292 / B-292RE

100x Oil/Water Objective – Only at OPTIKA

SAME OBJECTIVE FOR OIL AND WATER USE

- » Oil represents the best media for high numerical aperture
- » Water combines results with convenience
- » Water is recommended especially for educational purposes

UNPARALLELED TIME & MONEY SAVING

- » Save time by forgetting about tedious cleaning
- » No time-wasting procedures for maintainance
- » No additional expenses due to inappropriate cleaning

STATE-OF-THE-ART ILLUMINATION SYSTEM

- » Uncomparable light intensity, exclusive lens & collector design
- » Constant pure-white colour temperature at all intensity levels
- » Unmatched color fidelity, uniformity and brightness

CUT ELECTRICITY BILLS BY 90%

- » Money & energy saving, only 3.6 W
- » More efficient brightness than a 50 W halogen lamp
- » LED long lifetime (65,000 hours = 22 years at 8 hours/day usage)

Clear Observation With 100x Objective

Students and basic users will enjoy B-290 Series for the clear and sharp images they can get using 100x objective with water, thanks to the extremely bright X-LED³ light source and the fully centerable Abbe condenser. Forget about the tedious lens cleaning you are used to when using 100x objective: dirt and dust will not affect your objective.





Wir machen Qualität sichtbar Nous rendons la qualité visible Making quality visible

MICROSCOPY • METROLOGY SERVICES

Suisse made. RYF AG

Showroom
Bettlachstrasse 2
CH-2540 Grenchen
Tel +41 32 654 21 00
Fax +41 32 654 21 09

RYF SA Showroom, Sales Office Route de Genève 9c 1291 Commugny Tél +41 22 776 82 28 Fax +41 22 776 82 29 RYF AG (Zürich) Sales Office Bahnhofstrasse 17 8400 Winterthur Tel +41 52 560 22 25 Fax +41 52 560 21 0

Binocular brightfield Microscope Optika B-292 / B-292RE

SUITABLE FOR UNIVERSITIES, EXPERTS & ROUTINE LABS

- » The ideal choice for common lab requirements
- » Simply engineered for life-science
- » Ready for phase contrast and darkfield

EXCELLENT PRICE/PERFORMANCE RATIO

- » N-PLAN objectives (160 mm or IOS) for flat images on 20 mm FN
- » Fixed Koehler illumination for crisp and contrasted images
- » Rounded edge, rackless stage to prevent scratches



Optika / Ryf Ryeco Swiss Warranty / Made in Italy www.ryfag.ch

