

AO Reichert™



**STILL ANOTHER NEW
COMPLEMENT OF
SUPERIOR AO REICHERT
MICROSCOPE OBJECTIVES**

**UNINTERRUPTED DEDICATED SERVICE
TO THE SCIENTIFIC COMMUNITY
SINCE 1843**



AO Reichert™

AO Reichert Scientific Instruments
Division of Warner-Lambert Technologies, Inc.
P.O. Box 123, BUFFALO, NEW YORK 14240 U.S.A.
(716) 891-3000



The production of a microscope objective demands many critical skills - from the selection of different kinds of glass to the most advanced production technologies. Since the performance of a microscope can only equal the integrity of its optical system, AO Reichert has always refused to compromise on the quality of materials or manufacturing processes. Every aspect of objective production is a basic, calculated step to optical excellence.

All objectives are parcentered and parfocal to minimize focusing procedures.

All objectives are color coded, for quick positioning of the desired objective into the optical path.

All essential air glass surfaces are **AMERICOTE™**, a coating process which decreases internal reflections, improves light transmission and image contrast.

Of utmost importance to the performance of AO Reichert microscopes is the revolutionary concept of the focusing nosepiece - or infinity corrected optical system. This is an exclusive design which eliminates the necessity of a fixed distance between objective and eyepiece. And it is a major contribution to the ease with which AO Reichert instruments are used.

BIOLOGICAL OBJECTIVES AND INSTRUMENT APPLICATIONS

Mag.	Cat. No.	SERIES 160	SERIES 150	SERIES 100	SERIES 110	SERIES 120	SERIES 110/120 FLUORESCENCE	SERIES 110/120 PHASE	SERIES 1820 BIOSTAR
STANDARD ACHROMATS									
4X	130	•	•						
10X	131	•							
43X	132	•							
ADVANCED ACHROMATS									
10X	1026	•	•	•	•				•
40X	1891						•		
45X	1116	•	•	•	•				
100X	1079	•	•	•	•		•		
SEMI PLAN ACHROMAT									
63X	1303				•	•	•		
CLINICAL PLAN ACHROMATS									
4X	1126			•					
10X	1127			•					
40X	1128			•	•				
100X	1129			•					
ADVANCED PLAN ACHROMATS									
2.5X	1028			•	•	•			
4X	1017				•	•			•
10X	1021				•	•	•		
20X	1022			•	•	•	•		
40X	1309				•	•	•		
40X	1866				•	•			
50X	1016			•	•	•	•		
100X	1311				•	•			
100X	1014			•	•	•	•		
100X	1867				•	•			
PHASE PLAN ACHROMATS									
10X	1211							•	•
20X	1212							•	
40X	1213							•	
100X	1214							•	
LWD ACHROMATS FOR TISSUE CULTURE									
20X	1215								•
20X	1216A								•
45X	1218A								•
LWD PHASE ACHROMATS FOR TISSUE CULTURE									
20X	1223								•
20X	1217A								•
45X	1219A								•

INDUSTRIAL OBJECTIVES

Mag.	Cat. No.	SERIES 110 POL STAR	SERIES 3000 INDUSTRIAL	SERIES 110 DICV	SERIES 2560
ADVANCED ACHROMAT FOR POLARIZATION (STRAIN-FREE)					
40X	1891S	•			
PLAN ACHROMATS FOR POLARIZATION (STRAIN-FREE)					
2.5X	1028S	•			
4X	1017S	•			
10X	1021S	•			
20X	1022S	•			
ADVANCED ACHROMATS, BRIGHT FIELD					
6.5X	3006		•		•
10X	1026		•		•
PLAN ACHROMATS, BRIGHT FIELD					
10X	2555		•		•
20X	2556		•		•
40X	2557		•		•
40X	1866 LWD		•		•
100X	1867 LWD		•		•
PLAN ACHROMATS FOR DICV (STRAIN-FREE)					
10X	2555S	•		•	
20X	2556S	•		•	
40X	2557S	•		•	

Mag.	Cat. No.	SERIES 110 POL STAR	SERIES 3000 INDUSTRIAL	SERIES 110 DICV	SERIES 2560
PLAN ACHROMATS, BRIGHT FIELD/DARK FIELD					
6.5X	2564				•
10X	2565				•
20X	2566				•
40X	2567				•
60X	2568				•
PLAN ACHROMATS, BF/DF/DIC (STRAIN-FREE)					
6.5X	2564S				•
10X	2565S				•
20X	2566S				•
40X	2567S				•
60X	2568S				•
100X	1867S*				•
AIR SPACED OBJECTIVES FOR LASER APPLICATIONS					
6.5X	K2075		•		
6.5X	K2259		•		
10X	K1610		•		
10X	K2246		•		

*BF/DIC Only

Catalog 1303 -
63X N.A. .80 Semi
Plan Achromat
Objective offers an
ideal alternative to
oil immersion for
those applications
where magnifica-
tion and resolution
of a 40X objective
are not quite ade-
quate. Because of
the high .80 numer-
ical aperture, per-
formance of the
1303, particularly
in vertical fluores-
cence, is exemplary.



Catalog 1309,
Catalog 1311 -
40X N.A. .66 Plan
Achromat and 100X
N.A. 1.25 (oil) Plan
Achromat Objec-
tives. Both are
exceptionally well
corrected for flat-
ness of field and for
spherical and
chromatic abbera-
tions - excellent for
demanding, high-
power work in
Bacteriology and
Cytology.



Catalog 1866,
Catalog 1867 -
40X N.A. .55 Plan
Achromat and 100X
N.A. .90 (dry) Plan
Achromat Objec-
tives - the highest
quality Plan Achro-
mats we offer. These
superb optics of
long working dis-
tance are designed
for use without cover
glasses, and are
especially suitable
for Hematology
applications.



ReichertTM

INTRODUCING PLAN APOCHROMAT OBJECTIVES FOR REICHERT MICROSTAR[®] MICROSCOPES SERIES 110, 120, 10 AND 20



For the first time, Reichert Scientific Instruments offers the superior performance of Plan Apochromat Objectives. They represent a complex multi-lens system which is corrected to a higher level for chromatic and spherical aberrations — and maximum flatness of field — than is possible with a Plan Achromat system.

In addition, their high numerical apertures exceed the N.A. of Plan Achromatic Objectives of the same magnification. This makes them ideally suited to fluorescence applications.

Cat. No.	Mag.	N.A.	W.D.(mm)	Price
1321	10X	.30	1.0	\$450.00
1323	40X	.80	0.3	800.00

*We've Changed Our Name
from AO to Reichert*

ReichertTM

Reichert Scientific Instruments
Division of Warner-Lambert Technologies, Inc.
P.O. Box 123, Buffalo, New York 14240 U.S.A.
(716) 891-3000

Reichert Price List

EFFECTIVE
July 1, 1985

INFINITY CORRECTED OBJECTIVES

BIOLOGICAL OBJECTIVES

Magnification	Cat. No.	N.A.	Working Distance (mm)	Price	Remarks
STANDARD ACHROMATS					
4X	130	.10	17.5	\$ 44.00	
10X	131	.25	6.9	47.00	
43X	132	.55	0.6	60.00	
ADVANCED ACHROMATS					
10X	1026	.25	9.1	97.00	
40X	1891	.80	0.5	385.00	Especially suitable for Vertical Fluorescence Applications
45X	1116	.66	0.7	120.00	Excellent for Hemacytometer Applications
100X	1079	1.25	0.1	200.00	Oil
SEMI PLANACHROMAT					
63X	1303	.80	0.2	578.00	
ADVANCED PLANACHROMATS					
2.5X	1028	.07	9.2	180.00	
4X	1126	.12	7.2	91.00	
10X	1127	.25	4.3	132.00	
20X	1022	.50	1.4	194.00	
40X	1128	.66	0.5	235.00	Excellent for Hemacytometer Applications
40X	1309	.66	0.2	320.00	Not suitable for Hemacytometer Applications
40X	1866	.55	3.5	550.00	LWD. No cover glass
50X	1016	.80	0.3	415.00	Oil. With Iris
100X	1129	1.25	0.1	355.00	Oil
100X	1311	1.25	0.1	455.00	Oil
100X	1014	1.25	0.1	495.00	Oil. With Iris
100X	1867	0.90	0.3	825.00	LWD. Dry. No cover glass
PLAN APOCHROMATS					
10X	1321	.30	1.0	450.00	
40X	1323	.85	0.3	800.00	
PHASE PLANACHROMATS					
10X	1211	.25	9.1	209.00	
20X	1212	.50	1.4	292.00	
40X	1213	.66	0.5	320.00	
100X	1214	1.25	0.1	496.00	Oil
LWD ACHROMATS FOR TISSUE CULTURE					
20X	1216A	.50	1.2-1.7	397.00	Correction collar for CG thickness 0.5-1.5mm
45X	1218A	.66	0.6-1.1	477.00	Correction collar for CG thickness 0.5-1.5mm
LWD PHASE ACHROMATS FOR TISSUE CULTURE					
20X	1217A	.50	1.2-1.7	514.00	Correction collar for CG thickness 0.5-1.5mm
45X	1219A	.66	0.6-1.1	514.00	Correction collar for CG thickness 0.5-1.5mm

We've Changed Our Name
from AO to Reichert

Reichert™

Reichert Scientific Instruments

Division of Warner-Lambert Technologies, Inc.
P.O. Box 123, Buffalo, New York 14240 U.S.A.
(716) 891-3000