



# **BIOLOG**

---

**INTERNATIONAL CATALOG & PRODUCT GUIDE  
For Microbial Identification and Phenotype MicroArray™**

Effective September 2011



### *Table of Contents*

<b>Microbial Identification Products</b>	
<b>GEN III Automated Identification Systems</b> .....	<b>1</b>
GEN III OmniLog <sup>®</sup> ID System .....	1
GEN III OmniLog <sup>®</sup> Plus ID System .....	1
GEN III OmniLog <sup>®</sup> Combo System .....	1
GEN III OmniLog <sup>®</sup> Plus Combo System .....	1
<b>GEN III Software &amp; Identification Databases</b> .....	<b>1</b>
<b>GEN III Semi-Automated Identification Systems</b> .....	<b>2</b>
GEN III MicroStation <sup>™</sup> System .....	2
<b>Software &amp; Identification Databases</b> .....	<b>2</b>
<b>GEN III Manual Identification Systems</b> .....	<b>3</b>
GEN III MicroLog <sup>™</sup> M System .....	3
GEN III MicroLog <sup>™</sup> M System Software and Databases .....	3
<b>GEN II Software &amp; Identification Databases</b> .....	<b>4</b>
<b>Miscellaneous System Accessories</b> .....	<b>4</b>
Pipettor and Accessories.....	4
MicroStation <sup>™</sup> System Accessories.....	4
Turbidimeter and Standards Accessories.....	4
Replacement Computer .....	4
<b>Identification Consumables and Accessories</b> .....	<b>5</b>
Identification MicroPlates <sup>™</sup> .....	5
Special Purpose MicroPlates <sup>™</sup> .....	5
Inoculating Fluids, Reagents and Biologicals .....	5
Disposables.....	6
GEN III Consumables Starter Products .....	6
Quality Control Strain Sets .....	7
GEN III Validation Products.....	8
<b>Dehydrated Media</b> .....	<b>10</b>

Biolog Dehydrated Media .....	10
Rainbow® Agar Dehydrated Media .....	10
<b>Pricing Charts for MicroPlates™ .....</b>	<b>10</b>
MicroPlates™ .....	10

### Phenotype MicroArray™ Microbial Products

<b>Phenotype MicroArray™ Products.....</b>	<b>11</b>
OmniLog® Phenotype MicroArray™ Systems .....	11
OmniLog® Phenotype MicroArray™ Accessories.....	11
Phenotype MicroArray™ Panels .....	11
Dye Mixes and Inoculating Fluids for Phenotype MicroArray™ Microbial Panels .....	12

### Terms

<b>Ordering Information .....</b>	<b>13</b>
<b>Terms and Conditions .....</b>	<b>13</b>
<b>Return Shipments.....</b>	<b>13</b>

OmniLog and Rainbow registered trademarks, MicroStation, MicroLog, MicroPlate, and RetroSpect are trademarks of Biolog, and all other trademarks are the property of their respective holders. Microsoft is a registered trademark of Microsoft, Inc.

(Microbial ID Products Not for Human *In Vitro* Diagnostic Use)

### GEN III Automated Identification Systems

- All Biolog Automated Systems include the OmniLog® GEN III Data Collection Software, Retrospect 2.0 Data Management Software, electronic user guide, OmniLog reader/incubator, computer, printer, pipettor, turbidimeter and a one year warranty.
- Databases are sold separately.
- Combo Systems include OmniLog Phenotype MicroArray™ (PM) Software.

Catalog Number	Description	Unit	Price U.S. \$	Ship Point
<b>GEN III OmniLog® ID System</b>				
For rapid automated incubation and identification of aerobic bacteria. OmniLog has the capacity to incubate and monitor up to 50 Biolog MicroPlates™.				
91371	GEN III OmniLog ID System - North American style plug (110-120 VAC)	ea.		1
91372	GEN III OmniLog ID System - Schuko style plug (220-240 VAC)	ea.		
91374	GEN III OmniLog ID System - UK style plug (220-240 VAC)	ea.		
<b>GEN III OmniLog® Plus ID System</b>				
For rapid automated incubation and identification of aerobic bacteria plus the rapid identification of anaerobes, yeast, and filamentous fungi. The OmniLog Plus ID System consists of an Omnilog ID System, MicroStation and one computer configured with both OmniLog and MicroStation Software.				
91391	GEN III OmniLog Plus ID System - North American style plug (110-120 VAC)	ea.		1
91392	GEN III OmniLog Plus ID System - Schuko style plug (220-240 VAC)	ea.		
91394	GEN III OmniLog Plus ID System - UK style plug (220-240 VAC)	ea.		
<b>GEN III OmniLog® Combo System</b>				
For Rapid automated incubation and identification of aerobic bacteria. OmniLog Combo System with computer, monitor, and printer configured for automated incubation and identification of aerobic bacteria and Phenotype MicroArray (PM) Analysis.				
94371	GEN III OmniLog Combo System - North American style plug (110-120 VAC)	ea.		1
94372	GEN III OmniLog Combo System - Schuko style plug (220-240 VAC)	ea.		
94374	GEN III OmniLog Combo System - UK style plug (220-240 VAC)	ea.		
<b>GEN III OmniLog® Combo Plus System</b>				
For rapid automated incubation and identification of aerobic bacteria plus the rapid identification of anaerobes, yeast, filamentous fungi. Also for automated incubation and analysis of Phenotype MicroArray (PM) MicroPlates. The OmniLog Combo Plus System consists of an Omnilog ID System, MicroStation and one computer configured with OmniLog ID, MicroStation and Phenotype MicroArray (PM) Software.				
94391	GEN III OmniLog Combo Plus System - North American style plug (110-120 VAC)	ea.		1
94392	GEN III OmniLog Combo Plus System - Schuko style plug (220-240 VAC)	ea.		
94394	GEN III OmniLog Combo Plus System - UK style plug (220-240 VAC)	ea.		

<b>GEN III Identification Database</b>				
22730D	GEN III Database (for both Gram-negative & Gram-positive bacteria) <sup>1</sup> Database software includes appropriate Turbidity Standards.	ea.		1
<b>GEN III Turbidity Standards</b>				
3440	65%T Turbidity Standard	ea.		1
3441	85%T Turbidity Standard	ea.		

### GEN III Semi-Automated Identification Systems

- All Biolog Semi-Automated Systems include GEN III Data Collection Software, RetroSpect 2.0 Data Management Software, electronic user guide, computer, reader, pipettor, turbidimeter and a one year warranty.
- Databases are sold separately.
- Printer sold separately

<b>GEN III MicroStation System</b>				
For rapid identification of bacteria, yeast, and filamentous fungi. The MicroStation has the capacity to read all Biolog MicroPlate configurations.				
65361	GEN III MicroStation System with computer North American style plug (110-120 VAC)	ea.		1
65362	GEN III MicroStation System with computer Schuko style plug (220-240 VAC)	ea.		
65364	GEN III MicroStation System with computer UK style plug (220-240 VAC)	ea.		

### Software & Identification Databases

<b>Software</b>				
26112D	GEN III Retrospect 2.0 Data Management Software	ea.		1
21203D	GEN II MicroStation Data Collection Software (necessary for using the Dangerous Pathogen Database)	ea.		
3905C	Gen5™ Data Analysis Software (Optional reader control and data analysis software for (BioTek) MicroStation Reader)	ea.		
<b>Identification Databases</b>				
Database software includes appropriate Turbidity Standards.				
22730D	GEN III Database (for both Gram-negative & Gram-positive bacteria) <sup>1</sup>	ea.		1
22623D	Combination Database (Includes the GN, GP and DP Databases) Requires GEN II Data Collection Software	ea.		
22622D	DP Supplemental Database for Dangerous Pathogen Identification Requires GEN II Data Collection Software, GN and GP Databases	ea.		
22601D	GN Database (GEN II for Gram-negative aerobic bacteria identification) Requires GEN II Data Collection Software	ea.		
22604D	GP Database (GEN II for Gram-positive aerobic bacteria identification) Requires GEN II Data Collection Software	ea.		
22607D	AN Database (GEN II for Anaerobic bacteria identification) Requires MicroStation or OmniLog Plus System)	ea.		
22605D	YT Database (GEN II for Yeast identification) Requires MicroStation or OmniLog Plus System	ea.		
22606D	FF Database (GEN II for Filamentous Fungi identification) Requires MicroStation or OmniLog Plus System	ea.		

### GEN III Manual Identification Systems

- All Biolog Manual Systems include GEN III Data Collection Software, electronic user guide, turbidimeter, and a one year warranty.
- Databases and multi-channel pipettor are sold separately.
- Retrospect 2.0 Software sold separately

Catalog Number	Description	Unit	Price U.S. \$	Ship Point
<b>GEN III MicroLog M System (ML-M)</b>				
The MicroLog M can interpret GEN III MicroPlate configurations for aerobic bacteria based on visual inspection and manual entry of results. Retrospect 2.0 Data Management Software may be added for additional capabilities. System includes turbidimeter with universal power supply.				
45101	MicroLog M System without computer	ea.		1
<b>GEN III Software &amp; Identification Databases for MicroLog M</b>				
<b>Software &amp; Identification Databases</b>				
Database software includes appropriate Turbidity Standards				
22730D	GEN III Database (for both Gram-negative & Gram-positive aerobic bacteria)	ea.		1
26112D	Retrospect 2.0 Data Management Software	ea.		

### Miscellaneous System Accessories

Catalog Number	Description	Unit	Price U.S. \$	Ship Point
<b>Pipettor and Accessories</b>				
3711	Ovation Electronic Pipettor (8-channel, repeating)	ea.		1
3718	Battery, Li Ion, Ovation	ea.		
3719	Ovation Power Supply	ea.		
<b>MicroStation System Accessories</b>				
3509-490	Replacement Filter for MicroStation Reader (MDC), 490 nm <sup>2</sup>	ea.		1
3509-590	Replacement Filter for MicroStation Reader (MDC), 590 nm <sup>2</sup>	ea.		
3509-750	Replacement Filter for MicroStation Reader (MDC), 750 nm <sup>2</sup>	ea.		
3509-490B	Replacement Filter for MicroStation Reader (BioTek), 490 nm <sup>2</sup>	ea.		
3509-590B	Replacement Filter for MicroStation Reader (BioTek), 590 nm <sup>2</sup>	ea.		
3509-750B	Replacement Filter for MicroStation Reader (BioTek), 750 nm <sup>2</sup>	ea.		
3519	Replacement Lamp for MicroStation Reader (MDC), (Sold in increments of two)	ea.		
3519B	Replacement Lamp for MicroStation Reader (BioTek) (Sold individually)	ea.		
3946	Absorbance Test Plate - to verify the performance of the MicroStation Reader <sup>2</sup>	ea.		
<b>Turbidimeter and Standards Accessories</b>				
3587	Turbidimeter with Universal Power Adapter (100 - 240 VAC)	ea.		1
3588	Universal Power Adapter for Turbidimeter (100 - 240 VAC)	ea.		
3440	Turbidity Standard (65%T) (GEN III)	ea.		
3441	Turbidity Standard (85%T) GEN III)	ea.		
3411	Turbidity Standard (GN-NENT: 52%T) (GEN II)	ea.		
3421	Turbidity Standard (GN-ENT:61%T) (GEN II)	ea.		
3414	Turbidity Standard (GP-COC, GP-ROD & GN-FAS: 20%T) (GEN II)	ea.		
3419	Turbidity Standard (GP-ROD SB: 28%T) (GEN II)	ea.		
3427	Turbidity Standard (AN:65%T) (GEN II)	ea.		
3415	Turbidity Standard (YT: 47%T) (GEN II)	ea.		
3426	Turbidity Standard (FF: 75 %T) (GEN II)	ea.		
<b>Replacement Biolog Computer</b>				
Biolog system software is designed to run on a Windows operating system. All semi-automated and fully automated Biolog systems come with a pre-configured PC. Please consult your Distributor for complete computer specifications.				
5165	Biolog configured PC with monitor, keyboard, mouse and-Windows Professional operating system.	ea.		1
5122	Lexmark monochrome laser printer 115 VAC	ea.		
5123	Lexmark monochrome laser printer 220-240 VAC	ea.		

### Identification Consumables and Accessories

*These items are NON-RETURNABLE.*

Catalog Number	Description	Unit	Price US \$	Ship Point
<b>GEN II &amp; GEN III MicroPlate Consumables</b> (SOLD IN INCREMENTS OF 10 PLATES / BOX – SEE PAGE 11 FOR PRICING CHART)				
1030	GEN III MicroPlate (for both Gram-negative & Gram-positive bacteria) <sup>1</sup>	plate	(A)	1
1011	GN2 MicroPlate (GEN II for Gram-negative bacteria) <sup>1</sup>	plate	(A)	
1014	GP2 MicroPlate (GEN II for Gram-positive bacteria) <sup>1</sup>	plate	(A)	
1007	AN MicroPlate (GEN II for Anaerobic bacteria) <sup>1</sup>	plate	(B)	
1005	YT MicroPlate (GEN II for Yeasts) <sup>1</sup>	plate	(B)	
1006	FF MicroPlate (GEN II for Filamentous Fungi) <sup>1</sup>	plate	(C)	
<b>Special Purpose MicroPlates</b> (SOLD IN INCREMENTS OF 10 PLATES / BOX – SEE PAGE 11 FOR PRICING CHART) <sup>1</sup>				
1013	MT2 MicroPlate (for metabolic studies) <sup>1</sup>	plate	(D)	1
1511	SF-N2 MicroPlate (for metabolic characterization of spore-forming and conidia-forming microbes) <sup>1</sup> – GN2 MicroPlate without redox dye	plate	(D)	
1514	SF-P2 MicroPlate (for metabolic characterization of spore-forming and conidia-forming microbes) <sup>1</sup> – GP2 MicroPlate without redox dye	plate	(D)	
1506	ECO MicroPlate – 3 sets of the same 31 carbon sources in a 96 well Biolog MicroPlate. Used for characterization / community analysis. <sup>1</sup>	plate	(D)	
<b>Inoculating Fluids, Reagents and Biologicals</b>				
72401	GEN III IF-A (for use with GEN III MicroPlates) – sold in increments of 20 tubes per box <sup>1</sup>	tube		1
72402	GEN III IF-B (for use with GEN III MicroPlates) – sold in increments of 20 tubes per box <sup>1</sup>	tube		
72403	GEN III IF-C (for use with GEN III MicroPlates) – sold in increments of 20 tubes per box <sup>1</sup>	tube		
72101	GN/GP-IF (for use with GN2 & GP2 MicroPlates) sterile – sold in increments of 20 tubes per box	tube		
72007	AN-IF (for use with AN MicroPlate) – sold in increments of 10 tubes per box	tube		
72106	FF-IF (for use with FF MicroPlate) – sold in increments of 20 tubes per box	tube		
73011	Sodium Thioglycolate – sold in increments of 50 droppers per bag	drpr		
73014	Sodium Salicylate – 50 ml bottle, 100 mM	bottle		

Catalog Number	Description	Unit	Price US \$	Ship Point
<b>Disposables</b>				
3321	Inoculatorz - sterile, GEN III: Box of 1000 (20bags of 50 Inoculatorz)	box		1
3323	Box of 100 (individually wrapped Inoculatorz)	box		
3201	1250ul Pipette Tips – sterile, racked, box of 960 (for Ovation pipettors)	box		
3001	1250ul Pipette Tips – sterile, racked, box of 960 (for Matrix pipettors)	box		
3203	1250ul Pipette tips – w/ anti-aerosol filter, sterile, racked box of 960 (for inoculation of FF MicroPlates w/Ovation pipettors)	box		
3003	1250ul Pipette Tips – w/anti-aerosol filter, sterile, racked box of 960 (for inoculation of FF MicroPlates w/Matrix pipettors)	box		
3102	Reservoirs – sterile, case of 100	case		
3019	Transfer Pipettes – sterile, disposable, graduated tip, box of 400 9" Pipettes (10 pipettes per bag, 40 bags per box)	box		
3021	LongSwabz™ – sterile, 7", cotton tipped swabs: Box of 1,000 (10 bags of 100 swabs)	box		
3023	Box of 100 (individually wrapped swabs)	box		
3025	Streakerz™ – sterile, 6", pointed wooden streaking sticks: Box of 1,000 (10 bags of 100)	box		
3026	Box of 1,000 (50 bags of 20)	box		
30201	MicroPlate Lid only– gamma irradiated (sold in increments of 25)	ea.		
30311	Biolog MicroPlate Trays w/ Lids – virgin polystyrene, 96 flat-bottom wells, half the volume of standard wells, low evaporation lids, gamma irradiated, trays & lids packaged separately. (Sold in increments of 25 pairs of trays and lids)	pair		
<b>GEN III Consumables Starter Products</b>				
Kits containing the consumables a new user would need to begin using the OmniLog System for bacterial identifications.				
39983-O	Starter Kit Consumables for GEN III (Ovation Tips):  20 GEN III MicroPlates 1 box of pipette tips (Ovation) 1 case of reservoirs 1 jar of Biolog Universal Growth Agar (500g jar) 1 box of Inoculatorz (100 units individually packaged) 20 tubes of IF-A 20 tubes of IF-B	kit		1
39983-M	Starter Kit Consumables for GEN III (Matrix Tips):  20 GEN III MicroPlates 1 box of pipette tips (Matrix) 1 case of reservoirs 1 jar of Biolog Universal Growth Agar (500g jar) 1 box of Inoculatorz (100 units individually packaged) 20 tubes of IF-A 20 tubes of IF-B	kit		1

Catalog Number	Description	Unit	Price US \$	Ship Point
<b>Quality Control and Validation Strain Sets</b> <b>Biolog does not supply Strain Sets directly but recommends the following preferred providers.</b> <b>Please contact either company below to place your order for strain sets:</b>				
<b>ATCC</b>	www.atcc.org	Phone: + 703-365-2700	E-Mail: sales@atcc.org	
<b>Microbiologics</b>	www.microbiologics.com	Phone: + 320-253-1640	E-Mail: info@mbl2000.com	
Strain Set Description		ATCC Item Number*	Microbiologics Item Number**	
GEN III QC Strain Set – for use with GEN III MicroPlates <sup>1</sup> - <i>Escherichia coli</i> , ATCC 11775 - <i>Paenibacillus polymyxa</i> , ATCC 842 - <i>Staphylococcus epidermidis</i> , ATCC 12228 - <i>Stenotrophomonas maltophilia</i> , ATCC 13637		11775 842 12228 13637	5188 (S, P, V)	
GN QC Strain Set – for use with GN2 MicroPlates <sup>1</sup> - <i>Achromobacter xylosoxidans</i> , ATCC 27061 - <i>Cedecea neteri</i> , ATCC 33855 - <i>Ochrobactrum anthropi</i> , ATCC 49687 - <i>Providencia stuartii</i> , ATCC 33672		20-1058 (includes entire set)	5169 (S, P, V)	
GP QC Strain Set – for use with GP2 MicroPlates <sup>1</sup> - <i>Corynebacterium minutissimum</i> , ATCC 23348 - <i>Rhodococcus equi</i> , ATCC 6939 - <i>Staphylococcus aureus subsp. Aureus</i> , ATCC 12600 - <i>Streptococcus criceti</i> , ATCC 19642		20-1059 (includes entire set)	5162 (S, P, V)	
AN QC Strain Set –for use with AN MicroPlates <sup>1</sup> - <i>Bifidobacterium breve</i> , ATCC 15700 - <i>Clostridium sordellii</i> , ATCC 9714 - <i>Lactobacillus casei subsp.casei</i> , ATCC 393 - <i>Micromonas micros</i> , ATCC 33270		15700 9714 393 33270	5163 (S, P, V)	
YT QC Strain Set –for use with YT MicroPlates <sup>1</sup> - <i>Candida albicans</i> , ATCC 10231 - <i>Candida geochares</i> , ATCC 36852 - <i>Candida kefyr</i> , ATCC 2512 - <i>Geotrichum candidum</i> , ATCC 34614		10231 36852 2512 34614	5170 (S, P, V)	
FF QC Strain Set –for use with FF MicroPlates <sup>1</sup> - <i>Geotrichum candidum</i> , ATCC 34614 - <i>Aspergillus niger</i> , ATCC 16888 - <i>Penicillium chrysogenum</i> , ATCC 10106		34614 16404 34614	5171 (S, P, V)	

**\*ATCC Product Guide:**

GN and GP Strain Sets are shipped with 4 Authenticult™ sticks  
 All other strain sets are shipped as lyophilized pellets

**\*\*Microbiologics Product Guide:**

S – Kwik-Stik™ 10 pack (10 self contained STIK units of a single organism)  
 P – Kwik-Stik™ 2 pack (2 self contained STIK units of a single organism)  
 V – Lyfo Disk® (10 pellets of a single organism)

Catalog Number	Description	Unit	Price U.S. \$	Ship Point
<b>GEN III Validation Products</b> <i>These items are NON-RETURNABLE.</i> Validation Kits contain required consumable supplies to complete your Biolog ID System validation. The Supplemental Kits are for use in addition to the Bacterial ID Validation Kit. Please refer to page 7 for information regarding ordering Strain Sets. Strain sets are not included with Validation Kits and must be ordered separately. The IQ & OQ Validation Service can also be purchased separately.				
<b>Validation Manuals</b>				
90825	<b>GEN III OmniLog Validation Manual for OL_DC v2.3</b> - Includes 50 Microplates w/Lids, Biolog, Irradiated	each		1
39823	<b>GEN III MicroStation Validation Manual for ML_DC v5.2.2</b> - Includes 25 Microplates w/Lids, Biolog, Irradiated	each		1
3985	<b>Retrospect 2.0 Validation Manual</b>	each		1
<b>Validation Supplies</b>				
39603A-O (Ovation tips)	<b>GEN III PQ Validation Supplies (for Ovation Pipettes)</b> <b>Strain sets sold separately</b> GEN III MicroPlates/Consumables: - 40 GEN III MicroPlates <sup>1</sup> - 1 box of Pipette Tips for Ovation Pipettor - 1 case of Reservoirs - 1 pack of Inoculatorz (100 individually wrapped units) - Streakerz (10 bags/ 100 pieces per bag) - Transfer Pipettes (box of 400) - 40 tubes of IF-A <sup>1</sup> - 20 tubes of IF-B <sup>1</sup> - 20 tubes of IF-C <sup>1</sup>	kit		1
39603A-M (Matrix tips)	<b>GEN III PQ Validation Supplies (for Matrix Pipettes)</b> <b>Strain sets sold separately</b> GEN III MicroPlates/Consumables: - 40 GEN III MicroPlates <sup>1</sup> - 1 box of Pipette Tips for Matrix Pipettor - 1 case of Reservoirs - 1 pack of Inoculatorz (100 individually wrapped units) - Streakerz (10 bags/ 100 pieces per bag) - Transfer Pipettes (box of 400) - 40 tubes of IF-A <sup>1</sup> - 20 tubes of IF-B <sup>1</sup> - 20 tubes of IF-C <sup>1</sup>	kit		1
39603D	<b>GEN III Validation Supplies Dehydrated Media</b> - BUG (500g jar)	kit		1

<p>3976A-O (Ovation tips)</p> <p>3976A-M (Matrix tips)</p> <p>3976D</p>	<p><b>Filamentous Fungi (FF) Supplemental Supplies</b> For strains see the Suggested Strains for Quality Control and Validation on page 7</p> <p>MicroPlates/Consumables: - 10 FF MicroPlates<sup>1</sup> - 1 box (480 ea.) of pipette tips w/ filter plug</p> <p>MicroPlates/Consumables: - 10 FF MicroPlates<sup>1</sup> - 1 box (960 ea.) of pipette tips w/ filter plug</p> <p>Inoculating fluid - 20 tubes of FF-IF</p>	<p>kit</p> <p>kit</p> <p>kit</p>		<p>1</p>
<p>3977A</p> <p>3977D</p>	<p><b>Anaerobe (AN) Supplemental Supplies</b> For strains see the Suggested Strains for Quality Control and Validation on page 7</p> <p>MicroPlates/Consumables - 10 AN MicroPlates<sup>1</sup> - 10 tubes of AN inoculating fluid</p> <p>Media - 1 jar (500g) BUA Agar</p>	<p>kit</p> <p>kit</p>		<p>1</p>
<p>3975A</p> <p>3975D</p>	<p><b>Yeast (YT) Supplemental Supplies</b> For strains see the Suggested Strains for Quality Control and Validation on page 7</p> <p>MicroPlates/Consumables - 10 YT MicroPlates<sup>1</sup></p> <p>Media - 1 jar (500g) BUY Agar</p>	<p>kit</p> <p>kit</p>		<p>1</p>

Catalog Number	Description	Unit	Price US \$	Ship Point
<b>Biolog Dehydrated Media</b> (SOLD IN INCREMENTS OF 15 PLATES / PACK-SEE PAGE 11 FOR PRICING CHART)				
70101	BUG (Biolog Universal Growth) Agar 500 g jar (approx. 435 plates)	Jar		1
70007	BUA (Biolog Universal Anaerobe) Agar 500 g jar (approx. 480 plates)	Jar		
70005	BUY (Biolog Universal Yeast) Agar 500 g jar (approx. 415 plates)	Jar		
<b>Rainbow® Agar Dehydrated Media</b> (SOLD IN INCREMENTS OF 10 PLATES / PACK - SEE PAGE 11 FOR PRICING CHART)				
80102	Rainbow Agar O157	30 g packet (approx. 25 plates)	packet	1
80202	Rainbow Agar Salmonella	47 g packet (approx 50 plates)	packet	
80302	Rainbow Agar Shigella/Aeromonas	71.5g packet (approx. 50 plates)	packet	

### Pricing Charts for MicroPlates™

<b>MicroPlates™</b> (Price is per MicroPlate – Sold in increments of 10 MicroPlates)						
Product Class	Number of MicroPlates					
	1200+	200 – 1190	100 - 190	50 - 90	20 – 40	10
(A)						
(B)						
(C)						
(D)						

### Phenotype MicroArray Products

Catalog Number	Description	Unit	Price U.S.\$	Ship Point
<b>OmniLog PM Systems</b>				
All OmniLog PM Systems include the OmniLog incubator/reader, computer, OmniLog PM Software, OmniLog User Guide, Pipettor, Turbidimeter and a one year warranty.				
<b>OmniLog PM Systems</b>				
93171	OmniLog PM System North American style plug (110-120 VAC)	ea.		1
93182	OmniLog PM System Schuko style plug (220-240 VAC)	ea.		
93184	OmniLog Pm System UK style plug (220-240 VAC)	ea.		
<b>OmniLog PM Services &amp; Supplies</b>				
90931-O	Validation Manual and Supplies (for Ovation Pipettes)	ea.		1
90931-M	Validation Manual and Supplies (for Matrix Pipettes)	ea.		
90701	OmniLog Trays – Type “A” MicroPlate footprint	ea.		
3440	65%T Turbidity Standard	ea.		
3441	85%T Turbidity Standard	ea.		
3032	PM Gas Bags – for panels needing a special gas atmosphere (100 bags)	box		
<b>Phenotype MicroArray Plates and Accessories – Microbial Cells</b>				
Details of the assays in the panels can be found at <a href="http://www.biolog.com/PM_Maps.html">www.biolog.com/PM_Maps.html</a>				
<b>Phenotype MicroArray Panels</b>				
12111	PM 1 96 Carbon utilization assays <sup>1</sup>	plate		1
12112	PM 2 96 Carbon utilization assays <sup>1</sup>	plate		
12121	PM 3 96 Nitrogen utilization assays <sup>1</sup>	plate		
12131	PM 4 96 Phosphorus – Sulfur utilization assays <sup>1</sup>	plate		
12141	PM 5 96 Biosynthetic pathway/nutrient stimulation <sup>1</sup>	plate		
12181	PM 6 96 Nitrogen utilization assays <sup>1</sup>	plate		
12182	PM 7 96 Nitrogen utilization assays <sup>1</sup>	plate		
12183	PM 8 96 Nitrogen utilization assays <sup>1</sup>	plate		
12161	PM 9 96 Osmotic/Ionic response assays <sup>1</sup>	plate		
12162	PM 10 96 pH response assays <sup>1</sup>	plate		
12211	PM 11 96 Bacterial chemical sensitivity assays <sup>1</sup>	plate		
12212	PM 12 96 Bacterial chemical sensitivity assays <sup>1</sup>	plate		
12213	PM 13 96 Bacterial chemical sensitivity assays <sup>1</sup>	plate		
12214	PM 14 96 Bacterial chemical sensitivity assays <sup>1</sup>	plate		
12215	PM 15 96 Bacterial chemical sensitivity assays <sup>1</sup>	plate		
12216	PM 16 96 Bacterial chemical sensitivity assays <sup>1</sup>	plate		
12217	PM 17 96 Bacterial chemical sensitivity assays <sup>1</sup>	plate		
12218	PM 18 96 Bacterial chemical sensitivity assays <sup>1</sup>	plate		
12219	PM 19 96 Bacterial chemical sensitivity assays <sup>1</sup>	plate		
12220	PM 20 96 Bacterial chemical sensitivity assays <sup>1</sup>	plate		
12221	PM 21 96 Yeast chemical sensitivity assays <sup>1</sup>	plate		
12222	PM 22 96 Yeast chemical sensitivity assays <sup>1</sup>	plate		
12223	PM 23 96 Yeast chemical sensitivity assays <sup>1</sup>	plate		
12224	PM 24 96 Yeast chemical sensitivity assays <sup>1</sup>	plate		
12225	PM 25 96 Yeast chemical sensitivity assays <sup>1</sup>	plate		

Catalog Number	Description	Unit	Price U.S.\$	Ship Point
<b>Dye Mixes and Inoculating Fluids for PM Microbial Plates</b>				
<b>Dye Mixes</b> are cell specific - see PM Instructions for Use before ordering				
74221	Biolog Redox Dye Mix A (100X), 20ml <sup>1</sup>	bottle		1
74222	Biolog Redox Dye Mix B (100X), 20ml <sup>1</sup>	bottle		
74224	Biolog Redox Dye Mix D (100X), 20ml <sup>1</sup>	bottle		
74225	Biolog Redox Dye Mix E (100X), 20ml <sup>1</sup>	bottle		
74226	Biolog Redox Dye Mix F (100X), 20ml <sup>1</sup>	bottle		
74227	Biolog Redox Dye Mix G (100X), 20ml <sup>1</sup>	bottle		
74228	Biolog Redox Dye Mix H (100X), 20ml <sup>1</sup>	bottle		
* 20ml of dye is enough to assay approximately 200 panels				
<b>Inoculating Fluids – Microbial Plates</b>				
72268	IF-0a GN/GP Base (1.2X), 125ml <sup>1</sup> For GN & GP Bacteria, PM 1 – 8	bottle		1
72264	IF-10a GN Base (1.2X), 125ml <sup>1</sup> For GN Bacteria, PM 9 – 20	bottle		
72266	IF-10b GN/GP Base (1.2X), 125ml <sup>1</sup> For GN & GP Bacteria, PM 9 – 20	bottle		
72231	IFY-0 Base (1.2X), 125ml <sup>1</sup> For Yeast & Fungi, PM 1 – 8	bottle		
72232	IFY-10 Base (1.2X), 125ml <sup>1</sup> For Yeast & Fungi, PM 9, 10, 21 – 25	bottle		
* 125ml of Inoculating Fluid is enough for approximately 10 panels				

### Ordering Information

Please use product number and item name when ordering. Orders which are less than \$75.00 will incur a \$15.00 handling fee.

Purchase orders should be sent to:

Biolog, Inc.  
Attn: Customer Service  
21124 Cabot Blvd  
Hayward, CA 94545

Customer Service accepts customer orders via phone from 8:00 am to 5:00 pm (Pacific Time).

<b>TOLL FREE</b>	<b>800-284-4949</b>
<b>FAX ORDERS</b>	<b>510-782-4639</b>
<b>EMAIL</b>	<b>csorders@biolog.com</b>

Written confirmation of telephone orders is **required**. Please mark clearly CONFIRMATION OF PHONE ORDER on the purchase order. This will avoid duplicate shipments.

Due to the refrigeration requirements of some of our products, our normal shipping days are Monday - Tuesday. Biolog will make every effort to ship orders received by 10:00 am PT on Tuesday during the same week, but can make no guarantees of this. Order confirmations are sent within two business days of order receipt but please allow up to seven days for release of shipments.

Biolog, Inc. will be closed the week of July 4<sup>th</sup> for inventory.

For instrument systems and software allow up to 30 days after receipt of order for shipment.

### Terms and Conditions

#### TERMS:

- All shipping is EXW shipping point (Hayward, CA).
- All payments must be made in US dollars. Unless otherwise agreed, payment is by letter of credit or 60% in advance, net 30 days after which the maximum allowed rate of interest applies.
- Except for systems orders, payment may be made by credit card at the time of order. Biolog accepts Visa, MasterCard, and American Express.
- Purchaser assumes all responsibility for paying insurance, foreign duties and taxes.
- Freight and service charges are added to the invoice.
- All prices subject to change without notice.
- A \$10.00 handling charge will apply for freight collect shipments of inoculating fluids or prepared plated media.

### Return Shipments

Biolog, Inc. cannot accept returned perishable materials (Media, Reagents, MicroPlates, etc.) once they have been shipped. When placing an order, please pay special attention to each item's unit type (box, tube, plate, etc.) to ensure that the correct quantity is ordered.

No return will be accepted without the correct Return Materials Authorization (RMA) number from Biolog Technical Applications & Service, phone 510-785-2564 or email to tech@biolog.com. UNAUTHORIZED RETURNS CANNOT BE ACCEPTED AND WILL BE RETURNED AT SENDER'S EXPENSE.

- <sup>1</sup> - Must be stored at 2-8° C
- <sup>2</sup> - Non Stock Item, please allow 30 days for delivery

**BiOLOG** 21124 Cabot Blvd Hayward, CA 94545 U.S.A. Orders: 800-284-4949 Fax: 510-782-4639 www.biolog.com