



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

Effective: July 1, 2019

To order, please contact:

Biolog Customer Service

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Microbial ID Products Not for Human *in vitro* Diagnostic Use

Automated Identification Systems

- All Biolog Automated Systems include the OmniLog® Data Collection software, RetroSpect™ Trending and Tracking software, electronic user guide, OmniLog® incubator/reader, computer, printer, pipettor, turbidimeter and a one year warranty.
- If you require 21 CFR Part 11 support, please request MicroLog™ Secure data collection software with any order that includes a MicroStation™.
- Databases are sold separately.
- Phenotype MicroArray™ software for mammalian cells (PM-M) sold separately.

Catalog Number	Description	Unit
OmniLog® ID System		
For rapid automated incubation and identification of aerobic bacteria.		
91371	OmniLog® ID System - North American plug (110-120 VAC)	ea.
91372	OmniLog® ID System - Schuko style plug (220-240 VAC)	ea.
91374	OmniLog® ID System - UK style plug (220-240 VAC)	ea.
OmniLog® Plus ID System		
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	OmniLog® Plus ID System - North American plug (110-120 VAC)	ea.
91392	OmniLog® Plus ID System - Schuko style plug (220-240 VAC)	ea.
91394	OmniLog® Plus ID System - UK style plug (220-240 VAC)	ea.
OmniLog® Combo System		
For rapid automated incubation and identification of aerobic bacteria. OmniLog® Combo System configured for automated incubation and identification of aerobic bacteria as well as Phenotype MicroArray™ (PM) Analysis. Phenotype MicroArray™ software included.		
94371	OmniLog® Combo System - North American plug (110-120 VAC)	ea.
94372	OmniLog® Combo System - Schuko style plug (220-240 VAC)	ea.
94374	OmniLog® Combo System - UK style plug (220-240 VAC)	ea.
OmniLog® Combo Plus System		
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	OmniLog® Combo Plus System - North American plug (110-120 VAC)	ea.
94392	OmniLog® Combo Plus System - Schuko style plug (220-240 VAC)	ea.
94394	OmniLog® Combo Plus System - UK style plug (220-240 VAC)	ea.
Phenotype MicroArray™ for Mammalian Cells Software		
Adds Phenotype MicroArray™ for Mammalian (PM-M) cell applications software to any OmniLog® system. Includes Authorization Key Code, PM-M Data Management software, user guides and twelve channel electronic pipettor.		
UA24000-PMM	PM-M Software. Adds software capable of performing phenotypic assays using mammalian cells.	ea.
GEN III Identification Database		
22730D	GEN III Database (for both Gram-negative & Gram-positive bacteria) Database software includes appropriate Turbidity Standards.	ea.

- If you require 21 CFR Part 11 support, please request MicroLog™ Secure data collection software with any order that includes a MicroStation™.

Semi-Automated Identification Systems

- All Biolog Semi-Automated Systems include MicroLog™ Data Collection software, RetroSpect™ Trending and Tracking software, electronic user guide, computer, MicroStation™ microplate reader, pipettor, turbidimeter and a one year warranty.
- If you require 21 CFR Part 11 support, please request MicroLog™ Secure data collection software with any order that includes a MicroStation™.
- Databases are sold separately.
- Printer sold separately.

Catalog Number	Description	Unit
MicroStation™ System		
For rapid identification of bacteria, yeast, and filamentous fungi. The MicroStation™ has the capacity to read all Biolog MicroPlate™ configurations.		
65361	MicroStation™ System - North American plug (110-120 VAC)	ea.
65362	MicroStation™ System - Schuko style plug (220-240 VAC)	ea.
65364	MicroStation™ System - UK style plug (220-240 VAC)	ea.

Identification Databases & Optional Software

Identification Databases		
Database software includes appropriate Turbidity Standards.		
22730D	GEN III Database (for both Gram-negative & Gram-positive bacteria)	ea.
22607D	AN Database (Anaerobic bacteria identification) Requires MicroStation™ or OmniLog® Plus System	ea.
22605D	YT Database (Yeast identification) Requires MicroStation™ or OmniLog® Plus System	ea.
22606D	FF Database (Filamentous Fungi identification) Requires MicroStation™ or OmniLog® Plus System	ea.
Optional Software		
3906	Gen5™ RC Software ² (Optional Reader control software without data analysis for (BioTek®) MicroStation™ Reader)	ea.
3905C	Gen5™ Data Analysis Software ² (Optional reader control and data analysis software for (BioTek®) MicroStation™ Reader)	ea.

- If you require 21 CFR Part 11 support, please request MicroLog™ Secure data collection software with any order that includes a MicroStation™.

Manual Identification Systems

- All Biolog Manual Systems include MicroLog™ Data Collection software, electronic user guide, turbidimeter, and a one year warranty.
- Databases and multi-channel pipettor are sold separately.
- RetroSpect™ software sold separately.
- MicroLog™ Secure data collection software is not available on any Biolog Manual System.

Catalog Number	Description	Unit
MicroLog™ M System (ML-M)		
The MicroLog™ M can interpret GEN III MicroPlate™ configurations for aerobic bacteria based on visual inspection and manual entry of results.		
45101	MicroLog™ M System without computer	ea.

Software & Identification Databases for MicroLog™ M

Software & Identification Databases		
Database software includes appropriate Turbidity Standards.		
22730D	GEN III Database (for both Gram-negative & Gram-positive aerobic bacteria)	ea.

Miscellaneous System Accessories

Catalog Number	Description	Unit
Pipettor and Accessories		
3711	Ovation® Electronic Pipettor (8-channel, repeating) – Includes Battery and Power Supply	ea.
3719	Replacement Power Supply, Ovation®	ea.
MicroStation™ System Accessories		
3509-490B	Replacement Filter for MicroStation™ Reader (BioTek®), 490 nm ²	ea.
3509-590B	Replacement Filter for MicroStation™ Reader (BioTek®), 590 nm ²	ea.
3509-750B	Replacement Filter for MicroStation™ Reader (BioTek®), 750 nm ²	ea.
3519B	Replacement Lamp for MicroStation™ Reader (BioTek®)	ea.
3946	Absorbance Test Plate ² To verify the performance of the MicroStation™ Reader	ea.
Turbidimeter and Standards Accessories		
3587	Turbidimeter with Universal Power Adapter (100 - 240 VAC)	ea.
3588	Universal Power Adapter for Turbidimeter (100 - 240 VAC)	ea.
3440	GEN III 65%T Turbidity Standard	ea.
3441	GEN III 85%T Turbidity Standard	ea.
3427	AN 65%T Turbidity Standard	ea.
3415	YT 47%T Turbidity Standard	ea.
3426	FF 75%T Turbidity Standard	ea.
Replacement Biolog Computer		
<p>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.</p>		
5160-WX	Biolog configured PC with monitor, keyboard, mouse and Windows® 10 Professional operating system.	ea.
5124	Color Inkjet Printer	ea.

Identification Consumables and Accessories

These items are NON-RETURNABLE.

Catalog Number	Description	Unit
Identification MicroPlates™		
<small>(MICROPLATES SOLD IN INCREMENTS OF 10 PLATES / BOX – SEE PRICING CHART BELOW)¹</small>		
1030	GEN III MicroPlate™ (for both Gram-negative & Gram-positive bacteria) ¹	plate
1007	AN MicroPlate™ (Anaerobic bacteria) ¹	plate
1005	YT MicroPlate™ (Yeasts) ¹	plate
1006	FF MicroPlate™ (Filamentous Fungi) ¹	plate
Special Purpose MicroPlates™		
<small>(MICROPLATES SOLD IN INCREMENTS OF 10 PLATES / BOX – SEE PRICING CHART BELOW)¹</small>		
1013	MT2 MicroPlate™ (for metabolic studies) ¹	plate
1506	EcoPlate™ – microplate with 3 sets of the same 31 carbon sources. Used for characterization / community analysis. ¹	plate
Inoculating Fluids		
<small>(SOLD IN INCREMENTS OF 20 TUBES / BOX)</small>		
72401	IF-A ¹ (for use with GEN III MicroPlates™)	tube
72402	IF-B ¹ (for use with GEN III MicroPlates™)	tube
72403	IF-C ¹ (for use with GEN III MicroPlates™)	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™)	tube
72501	YT-IF (for use with YT MicroPlate™)	tube

Catalog Number	Description	Unit
Disposables		
3321	Inoculatorz™, Box of 1000 (20 bags of 50 Inoculatorz™)	box
3323	Inoculatorz™, Box of 100 (individually wrapped Inoculatorz™)	box
3201	1250ul Pipette Tips – sterile, racked, box of 960 (for Ovation® pipettors)	box
3203	1250ul Pipette tips – w/ anti-aerosol filter, sterile, racked box of 960 (for inoculation of FF MicroPlates™ w/ Ovation® 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
3023	LongSwabz™ – sterile, 7", cotton tipped swabs: Box of 100 (individually wrapped swabs)	box
3026	Streakerz™ – sterile, 6", pointed wooden streaking sticks: Box of 1,000 (50 bags of 20)	box
30201	MicroPlate™ Lid only– gamma irradiated (sold in increments of 25)	ea.
30311	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
Starter Kits		
Kits containing the consumables a new user would need to begin using the MicroStation™ or OmniLog® System for bacterial identifications.		
39983-O	Starter Kit: 20 GEN III MicroPlates™ 1 box of pipette tips 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

Quality Control and Validation Strain Sets

**Biolog does not supply Strain Sets directly but recommends the following preferred providers.
Please contact either company below to place your order for strain sets:**

ATCC® www.atcc.org Phone: 800-638-6597 E-Mail: sales@atcc.org

Microbiologics® www.microbiologics.com Phone: 800-599-2847 E-Mail: info@microbiologics.com

Strain Set Description	ATCC® Item Number*	Microbiologics® Item Number**
GEN III QC Strain Set – for use with GEN III MicroPlates™ ¹ - <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 (K, P, L)
AN QC Strain Set – for use with AN MicroPlates™ ¹ - <i>Bifidobacterium breve</i> , ATCC® 15700 - <i>Clostridium sordellii</i> , ATCC® 9714 - <i>Lactobacillus casei subsp.casei</i> , ATCC® 393 - <i>Parvimonas micra</i> , ATCC® 33270 - <i>Biolog DB ID Micromonas micros</i>	15700 9714 393 33270	5163 (K, P, L)
YT QC Strain Set – for use with YT MicroPlates™ ¹ - <i>Candida albicans</i> , ATCC® 10231 - <i>Candida geochares</i> , ATCC® 36852 - <i>Candida kefyr</i> , ATCC® 2512 - <i>Biolog DB ID Kluyveromyces marxianus</i> - <i>Galactomyces candidus</i> , ATCC® 34614 - <i>Biolog DB ID Galactomyces geotrichum</i>	10231 36852 2512 34614	5170 (K, P, L)
FF QC Strain Set – for use with FF MicroPlates™ ¹ - <i>Geotrichum candidum</i> , ATCC® 34614 - <i>Aspergillus niger</i> , ATCC® 16888 - <i>Penicillium chrysogenum</i> , ATCC® 10106	34614 16888 10106	5171 (K, P, L)

***ATCC® Product Guide:**

All strain sets are shipped as lyophilized pellets

****Microbiologics® Product Guide:**

K – Kwik-Stik™ 6 pack (6 self contained STIK units of a single organism)

P – Kwik-Stik™ 2 pack (2 self contained STIK units of a single organism)

L – Lyfo Disk® (6 pellets of a single organism)

Catalog Number	Description	Unit
<p>Validation Products</p> <p style="text-align: center;"><i>These items are NON-RETURNABLE.</i></p> <p>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.</p>		
Validation Manuals		
90855 Win10	<p>GEN III OmniLog® Validation Manual for OL_DC v 2.4</p> <ul style="list-style-type: none"> - Includes 50 MicroPlates™ w/Lids, Biolog, Irradiated 	ea.
39843 Win10	<p>GEN III MicroStation™ Validation Manual for ML DC v 5.2.2</p> <ul style="list-style-type: none"> - Includes 25 MicroPlates™ w/Lids, Biolog, Irradiated 	ea.
39844 Win10	<p>GEN III MicroStation™ Validation Manual for ML Secure v 6.0</p> <ul style="list-style-type: none"> - Includes 25 MicroPlates™ w/Lids, Biolog, Irradiated 	ea.
90845 Win7	<p>GEN III OmniLog® Validation Manual for OL_DC v 2.4</p> <ul style="list-style-type: none"> - Includes 50 MicroPlates™ w/Lids, Biolog, Irradiated 	ea.
39833 Win7	<p>GEN III MicroStation™ Validation Manual for ML DC v 5.2.2</p> <ul style="list-style-type: none"> - Includes 25 MicroPlates™ w/Lids, Biolog, Irradiated 	ea.
Validation Supplies		
39603A-O	<p>PQ Validation Supplies – Strain sets sold separately GEN III MicroPlates™/Consumables:</p> <ul style="list-style-type: none"> - 40 GEN III MicroPlates™¹ - 1 box of Pipette Tips for Ovation® Pipettor - 1 case of Reservoirs - 1 pack of Inoculatorz™ (100 individually wrapped units) - 40 tubes of IF-A¹ - 20 tubes of IF-B¹ - 20 tubes of IF-C¹ - Streakerz™ (10 bags/ 100 pieces per bag) - Transfer Pipettes (box of 400) 	kit
39603D	<p>Validation Supplies Dehydrated Media</p> <ul style="list-style-type: none"> - BUG (500g jar) 	kit
3976A-O	<p>Filamentous Fungi (FF) Supplemental Supplies For strains see the Suggested Strains for Quality Control and Validation on page 7</p> <p>MicroPlates™/Consumables:</p> <ul style="list-style-type: none"> - 10 FF MicroPlates™¹ - 1 box (960 ea.) of pipette tips w/ filter plug 	kit
3976D	<p>Inoculating fluid</p> <ul style="list-style-type: none"> - 20 tubes of FF-IF³ 	kit

Catalog Number	Description	Unit
	Anaerobe (AN) Supplemental Supplies For strains see the Suggested Strains for Quality Control and Validation on page 7	
3977A	MicroPlates™/Consumables - 10 AN MicroPlates™ - 10 tubes of AN inoculating fluid	kit
3977D	Media - 1 jar (500g) BUA Agar	kit
	Yeast (YT) Supplemental Supplies For strains see the Suggested Strains for Quality Control and Validation on page 7	
3975A	MicroPlates™/Consumables - 10 YT MicroPlates™	kit
3975D	Media - 1 jar (500g) BUY Agar	kit

Catalog Number	Description	Unit
Biolog Dehydrated Media		
70101	BUG (Biolog Universal Growth) Agar 500 g jar (approx. 435 plates)	jar
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
Rainbow® Agar Dehydrated Media		
80102	Rainbow® Agar O157 - 30 g packet (approx. 25 plates)	packet
80202	Rainbow® Agar Salmonella - 47 g packet (approx. 50 plates)	packet
80302	Rainbow® Agar Shigella/Aeromonas - 71.5 g packet (approx. 50 plates)	packet

Phenotype MicroArray™ Products

Catalog Number	Description	Unit
OmniLog® PM Systems		
All OmniLog® PM Systems include the OmniLog® incubator/reader, computer, OmniLog® PM software, electronic user guide, pipettor, turbidimeter and a one year warranty.		
OmniLog® PM Systems		
93171	OmniLog® PM System North American style plug (110-120 VAC)	ea.
93182	OmniLog® PM System Schuko style plug (220-240 VAC)	ea.
93184	OmniLog® PM System UK style plug (220-240 VAC)	ea.
UA24000-PMM	PM-M Software. Adds software capable of performing phenotypic assays using mammalian cells.	ea.
OmniLog® PM Supplies		
90700	OmniLog® Trays with magnetic clips – for holding down Gas Bags	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
00M3001	Oxygen Absorber Sachets (pack of 100)	pack
Phenotype MicroArray™ Plates and Accessories – Microbial Cells		
Details of the assays in the panels can be found at www.biolog.com/products-static/phenotype_microbial_cells_literature.php		
Phenotype MicroArray™ Panels		
12111	PM 1 96 Carbon utilization assays ¹	plate
12112	PM 2 96 Carbon utilization assays ¹	plate
12121	PM 3 96 Nitrogen utilization assays ¹	plate
12131	PM 4 96 Phosphorus – Sulfur utilization assays ¹	plate
12141	PM 5 96 Biosynthetic pathway/nutrient stimulation ¹	plate
12181	PM 6 96 Nitrogen utilization assays ¹	plate
12182	PM 7 96 Nitrogen utilization assays ¹	plate
12183	PM 8 96 Nitrogen utilization assays ¹	plate
12161	PM 9 96 Osmotic/Ionic response assays ¹	plate
12162	PM 10 96 pH response assays ¹	plate
12211	PM 11 96 Bacterial chemical sensitivity assays ¹	plate
12212	PM 12 96 Bacterial chemical sensitivity assays ¹	plate
12213	PM 13 96 Bacterial chemical sensitivity assays ¹	plate
12214	PM 14 96 Bacterial chemical sensitivity assays ¹	plate
12215	PM 15 96 Bacterial chemical sensitivity assays ¹	plate
12216	PM 16 96 Bacterial chemical sensitivity assays ¹	plate
12217	PM 17 96 Bacterial chemical sensitivity assays ¹	plate
12218	PM 18 96 Bacterial chemical sensitivity assays ¹	plate
12219	PM 19 96 Bacterial chemical sensitivity assays ¹	plate
12220	PM 20 96 Bacterial chemical sensitivity assays ¹	plate
12221	PM 21 96 Yeast chemical sensitivity assays ¹	plate
12222	PM 22 96 Yeast chemical sensitivity assays ¹	plate
12223	PM 23 96 Yeast chemical sensitivity assays ¹	plate
12224	PM 24 96 Yeast chemical sensitivity assays ¹	plate
12225	PM 25 96 Yeast chemical sensitivity assays ¹	plate

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

Phenotype MicroArray™ Mammalian Products

Catalog Number	Description	Unit
OmniLog® PM-M Systems		
All OmniLog® PM-M Systems include the OmniLog® incubator/reader, computer, OmniLog® PM-M software, electronic user guide, 8 and 12 channel pipettors, training, and a one year warranty.		
96161	OmniLog® PM-M System North American Style Plug	ea.
96162	OmniLog® PM-M System Schuko Style Plug	ea.
96164	OmniLog® PM-M System UK Style Plug	ea.
UA24000-PM	Upgrade to add PM software. Adds software to existing PM-M system capable of performing phenotypic assays for microbial cells.	ea.
OmniLog® Accessories		
90701	OmniLog® Trays – Type “A” MicroPlate™ Footprint	ea.
3711	Ovation® Electronic Pipettor (8-channel, repeating) – Includes Battery and Power Supply	ea.
3731	Ovation® Electronic Pipettor (12-channel, repeating) – Includes Battery and Power Supply	ea.
3201	1250ul Pipette Tips – sterile, racked, box of 960 (for Ovation® pipettors)	ea.
3211	250ul Pipette Tips – sterile, racked, box of 960 (for Ovation® pipettors)	ea.
3719	Replacement Power Supply, Ovation®	ea.
PM-M Panels and Accessories		
30311	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
3102	Reservoirs – sterile, case of 100	case
13101	PM-M1 Metabolite utilization assays ¹	panel
13102	PM-M2 Metabolite utilization assays ¹	panel
13103	PM-M3 Metabolite utilization assays ¹	panel
13104	PM-M4 Metabolite utilization assays ¹	panel
13105	PM-M5 Cation/Anion sensitivity assays ¹	panel
13106	PM-M6 Hormone/Metabolic effector assays ¹	panel
13107	PM-M7 Hormone/Metabolic effector assays ¹	panel
13108	PM-M8 Hormone/Metabolic effector assays ¹	panel
13111	PM-M11 Chemosensitivity assays ¹	panel
13112	PM-M12 Chemosensitivity assays ¹	panel
13113	PM-M13 Chemosensitivity assays ¹	panel
13114	PM-M14 Chemosensitivity assays ¹	panel
14104	MitoPlate I-1 ¹	panel
14105	MitoPlate S-1 ¹	panel
¹ Details of the assays in the panels can be found at www.biolog.com/products-static/phenotype_microbial_cells_literature.php		
Dye Mixes and Assay Media		
Dye Mixes are cell-specific. See PMM Redox Dye Mix brochure before ordering.		
74351	Biolog Redox Dye Mix MA (6X), 20ml ¹	bottle
74352	Biolog Redox Dye Mix MB (6X), 20ml ¹	bottle
74353	Biolog Redox Dye Mix MC (6X), 20ml ¹	bottle
¹ 20ml of Dye Mix is enough to assay approximately 20 panels (2,000 wells containing 50ul of medium)		

Catalog Number	Description	Unit
Metabolite Utilization Assay Media		
72301	Biolog IF-M1 RPMI 1640 w/o glu/gln, 100ml ¹	bottle
72302	Biolog IF-M2 RPMI 1640 w/o glu/gln/aa, 100ml ¹	bottle
72303	Biolog MAS Mitochondrial Assay Solution (2x), 100 ml ¹	bottle
*100ml of Inoculating Fluid is enough for approximately 20 panels		



International Catalog & Product Guide

Ordering Information

Please use product number and item name when ordering.

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).

TOLL FREE **800-284-4949**
FAX ORDERS **510-782-4639**
EMAIL **csorders@biolog.com**

Written confirmation of telephone orders is **required**. If written confirmation is sent, 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 - Wednesday. Biolog will make every effort to ship orders received by 10:00 am PT on Wednesday 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 4th 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.
- Payment may be made by credit card at the time of order for orders of MicroPlates and consumables under \$5000. Biolog accepts Visa, MasterCard, and American Express. Biolog reserves the right to decline the use of credit cards for certain purchases.
- 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.

Return Information

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. Returns may be subject to a 20% re-stocking fee. UNAUTHORIZED RETURNS CANNOT BE ACCEPTED AND WILL BE RETURNED AT SENDER'S EXPENSE.

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