

PM1 MicroPlate™

Vibrio fluvialis

A1 Negative Control	A2 L-Arabinose +	A3 N-Acetyl-D-Glucosamine +	A4 D-Saccharic Acid W	A5 Succinic Acid +	A6 D-Galactose +	A7 L-Aspartic Acid +	A8 L-Proline +	A9 D-Alanine +	A10 D-Trehalose +	A11 D-Mannose +	A12 Dulcitol
B1 D-Serine	B2 D-Sorbitol	B3 Glycerol +	B4 L-Fucose W	B5 D-Glucuronic Acid +	B6 D-Gluconic Acid +	B7 D,L- α -Glycerol-Phosphate +	B8 D-Xylose	B9 L-Lactic Acid +	B10 Formic Acid	B11 D-Mannitol +	B12 L-Glutamic Acid +
C1 Glucose-6-Phosphate +	C2 D-Galactonic Acid- γ -Lactone	C3 D,L-Malic Acid +	C4 D-Ribose +	C5 Tween 20 +	C6 L-Rhamnose	C7 D-Fructose +	C8 Acetic Acid +	C9 α -D-Glucose +	C10 Maltose +	C11 D-Melibiose	C12 Thymidine +
D-1 L-Asparagine +	D2 D-Aspartic Acid	D3 D-Glucosaminic Acid	D4 1,2-Propanediol	D5 Tween 40 +	D6 α -Keto-Glutaric Acid +	D7 α -Keto-Butyric Acid +	D8 α -Methyl-D-Galactoside	D9 α -D-Lactose +	D10 Lactulose	D11 Sucrose +	D12 Uridine +
E1 L-Glutamine +	E2 M-Tartaric Acid	E3 Glucose-1-Phosphate +	E4 Fructose-6-Phosphate +	E5 Tween 80 +	E6 α -Hydroxy Glutaric Acid- γ -Lactone +	E7 α -Hydroxy Butyric Acid	E8 β -Methyl-D-Glucoside +	E9 Adonitol	E10 Maltotriose +	E11 2-Deoxy Adenosine +	E12 Adenosine +
F1 Glycyl-L-Aspartic Acid +	F2 Citric Acid W	F3 M-Inositol	F4 D-Threonine	F5 Fumaric Acid +	F6 Bromo Succinic Acid +	F7 Propionic Acid W	F8 Mucic Acid +	F9 Glycolic Acid	F10 Glyoxylic Acid	F11 D-Cellobiose	F12 Inosine +
G1 Glycyl-L-Glutamic Acid +	G2 Tricarballic Acid	G3 L-Serine +	G4 L-Threonine +	G5 L-Alanine +	G6 L-Alanyl-Glycine +	G7 Acetoacetic Acid	G8 N-Acetyl- β -D-Mannosamine	G9 Mono Methyl Succinate +	G10 Methyl Pyruvate +	G11 D-Malic Acid	G12 L-Malic Acid +
H1 Glycyl-L-Proline +	H2 p-Hydroxy Phenyl Acetic Acid	H3 m-Hydroxy Phenyl Acetic Acid	H4 Tyramine	H5 D-Psicose +	H6 L-Lyxose	H7 Glucuronamide	H8 Pyruvic Acid +	H9 L-Galactonic Acid- γ -Lactone	H10 D-Galacturonic Acid +	H11 Phenylethyl-amine	H12 2-Aminoethanol W

FIGURE 1. Carbon Sources in PM1 MicroPlate

PM2 MicroPlate™

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A1 Negative Control	A2 Chondroitin Sulfate C	A3 α -Cyclodextrin	A4 β -Cyclodextrin +	A5 γ -Cyclodextrin +	A6 Dextrin +	A7 Gelatin +	A8 Glycogen +	A9 Inulin W	A10 Laminarin W	A11 Mannan +	A12 Pectin +
B1 N-Acetyl-D-Galactosamine	B2 N-Acetyl-Neuraminic Acid +	B3 β -D-Allose	B4 Amygdalin +	B5 D-Arabinose	B6 D-Arabitol +	B7 L-Arabitol	B8 Arbutin +	B9 2-Deoxy-D-Ribose	B10 l-Erythritol	B11 D-Fucose W	B12 3-O- β -D-Galactopyranosyl-D-Arabinose +
C1 Gentiobiose W	C2 L-Glucose W	C3 Lactitol W	C4 D-Lyxose	C5 Maltitol	C6 α -Methyl-D-Galactoside	C7 β -Methyl-D-Galactoside	C8 3-Methyl Glucose +	C9 β -Methyl-D-Glucuronic Acid	C10 α -Methyl-D-Mannoside	C11 β -Methyl-D-Xyloside	C12 Palatinose
D1 D-Raffinose W	D2 Salicin +	D3 Sedoheptulosan	D4 L-Sorbose	D5 Stachyose W	D6 D-Tagatose W	D7 Turanose	D8 Xylitol	D9 L-Xylose	D10 γ -Amino Butyric Acid +	D11 D-Amino Valeric Acid W	D12 Butyric Acid
E1 Capric Acid	E2 Caproic Acid	E3 Citraconic Acid	E4 Citramalic Acid	E5 Dihydroxy Fumaric Acid	E6 2-Hydroxy Benzoic Acid	E7 4-Hydroxy Benzoic Acid +	E8 β -Hydroxy Butyric Acid +	E9 γ -Hydroxy Butyric Acid	E10 β -Hydroxy Pyruvic Acid	E11 Itaconic Acid	E12 5-Keto-D-Gluconic Acid
F1 D-Lactic Acid Methyl Ester +	F2 Malonic Acid	F3 Melibionc Acid	F4 Oxalic Acid	F5 Oxalomalic Acid	F6 Quinic Acid +	F7 D-Ribono-1,4-Lactone	F8 Sebacic Acid	F9 Sorbic Acid	F10 Succinamic Acid	F11 D-Tartaric Acid	F12 L-Tartaric Acid
G1 Acetamide	G2 L-Alaninamide	G3 N-Acetyl-L-Glutamic Acid +	G4 L-Arginine +	G5 Glycine W	G6 L-Histidine +	G7 L-Homoserine	G8 Hydroxy-L-Proline	G9 L-Isoleucine	G10 L-Leucine	G11 L-Lysine	G12 L-Methionine
H1 L-Ornithine W	H2 L-Phenylalanine	H3 L-Pyrogultamic Acid W	H4 L-Valine +	H5 D,L-Carnitine W	H6 Sec-Butylamine W	H7 D,L-Octopamine	H8 Putrescine +	H9 Dihydroxy Acetone	H10 2,3-Butanediol	H11 2,3-Butanone	H12 3-Hydroxy 2-Butanone

FIGURE 2. Carbon Sources in PM2 MicroPlate

PM3 MicroPlate™

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A1 Negative Control	A2 Ammonia	A3 Nitrite	A4 Nitrate	A5 Urea	A6 Biuret	A7 L-Alanine	A8 L-Arginine	A9 L-Asparagine	A10 L-Aspartic Acid	A11 L-Cysteine	A12 L-Glutamic Acid
	+	+	+			+	+	+	+		+
B1 L-Glutamine	B2 Glycine	B3 L-Histidine	B4 L-Isoleucine	B5 L-Leucine	B6 L-Lysine	B7 L-Methionine	B8 L-Phenylalanine	B9 L-Proline	B10 L-Serine	B11 L-Threonine	B12 L-Tryptophan
+	+	+	+	+	+	+	+	+	+	+	+
C1 L-Tyrosine	C2 L-Valine	C3 D-Alanine	C4 D-Asparagine	C5 D-Aspartic Acid	C6 D-Glutamic Acid	C7 D-Lysine	C8 D-Serine	C9 D-Valine	C10 L-Citrulline	C11 L-Homoserine	C12 L-Ornithine
+	+	+				+	+		+	+	+
D-1 N-Acetyl-D,L-Glutamic Acid	D2 N-Phthaloyl-L-Glutamic Acid	D3 L-Pyrroglutamic Acid	D4 Hydroxylamine	D5 Methylamine	D6 N-Amylamine	D7 N-Butylamine	D8 Ethylamine	D9 Ethanolamine	D10 Ethylenediamine	D11 Putrescine	D12 Agmatine
+	+								+	+	+
E1 Histamine	E2 β-Phenylethylamine	E3 Tyramine	E4 Acetamide	E5 Formamide	E6 Glucuronamide	E7 D,L-Lactamide	E8 D-Glucosamine	E9 D-Galactosamine	E10 D-Mannosamine	E11 N-Acetyl-D-Glucosamine	E12 N-Acetyl-D-Galactosamine
W	W	W	W				+			+	W
F1 N-Acetyl-D-Mannosamine	F2 Adenine	F3 Adenosine	F4 Cytidine	F5 Cytosine	F6 Guanine	F7 Guanosine	F8 Thymine	F9 Thymidine	F10 Uracil	F11 Uridine	F12 Inosine
	+	+	+			+					+
G1 Xanthine	G2 Xanthosine	G3 Uric Acid	G4 Alloxan	G5 Allantoin	G6 Parabanic Acid	G7 D,L-α-Amino-N-Butyric Acid	G8 γ-Amino-N-Butyric Acid	G9 ε-Amino-N-Caproic Acid	G10 D,L-α-Amino-Caprylic Acid	G11 D-Amino-N-Valeric Acid	G12 2-Amino-N-Valeric Acid
+	+		W	+	+	+	+				+
H1 Ala-Asp	H2 Ala-Gln	H3 Ala-Glu	H4 Ala-Gly	H5 Ala-His	H6 Ala-Leu	H7 Ala-Thr	H8 Gly-Asn	H9 Gly-Gln	H10 Gly-Glu	H11 Gly-Met	H12 Met-Ala
+	+	+	+	+	+	+	+	+	+	+	+

FIGURE 3. Nitrogen Sources in PM3 MicroPlate

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A1 Negative Control	A2 Phosphate	A3 Pyrophosphate	A4 Trimeta-phosphate	A5 Tripoly-phosphate	A6 Triethyl Phosphate	A7 Hypophosphite	A8 Adenosine- 2'-monophosphate	A9 Adenosine- 3'-monophosphate	A10 Adenosine- 5'-monophosphate	A11 Adenosine- 2',3'-cyclic monophosphate	A12 Adenosine- 3',5'-cyclic monophosphate
	+	+	+	+			+	+	+	+	+
B1 Thiophosphate	B2 Dithiophosphate	B3 D,L-α-Glycerol Phosphate	B4 β-Glycerol Phosphate	B5 L-α-Phosphatidyl-D,L-Glycerol	B6 D-2-Phospho-Glyceric Acid	B7 D-3-Phospho-Glyceric Acid	B8 Guanosine- 2'-monophosphate	B9 Guanosine- 3'-monophosphate	B10 Guanosine- 5'-monophosphate	B11 Guanosine- 2',3'-cyclic monophosphate	B12 Guanosine- 3',5'-cyclic monophosphate
+	+	+	W		+	+	+	+	+	+	+
C1 Phosphoenol Pyruvate	C2 Phospho-Glycolic Acid	C3 D-Glucose-1-Phosphate	C4 D-Glucose-6-Phosphate	C5 2-Deoxy-D-Glucose 6-Phosphate	C6 D-Glucosamine-6-Phosphate	C7 6-Phospho-Gluconic Acid	C8 Cytidine- 2'-monophosphate	C9 Cytidine- 3'-monophosphate	C10 Cytidine- 5'-monophosphate	C11 Cytidine- 2',3'-cyclic monophosphate	C12 Cytidine- 3',5'-cyclic monophosphate
+	+	+	+	W	+	+		+	+	+	+
D1 D-Mannose-1-Phosphate	D2 D-Mannose-6-Phosphate	D3 Cysteamine-S-Phosphate	D4 Phospho-L-Arginine	D5 O-Phospho-D-Serine	D6 O-Phospho-L-Serine	D7 O-Phospho-L-Threonine	D8 Uridine- 2'-monophosphate	D9 Uridine- 3'-monophosphate	D10 Uridine- 5'-monophosphate	D11 Uridine- 2',3'-cyclic monophosphate	D12 Uridine- 3',5'-cyclic monophosphate
+	+	+	+	+	+	+		+	+	+	+
E1 O-Phospho-D-Tyrosine	E2 O-Phospho-L-Tyrosine	E3 Phosphocreatine	E4 Phosphoryl Choline	E5 O-Phosphoryl-Ethanolamine	E6 Phosphono Acetic Acid	E7 2-Aminoethyl Phosphonic Acid	E8 Methylene Diphosphonic Acid	E9 Thymidine- 3'-Monophosphate	E10 Thymidine- 5'-Monophosphate	E11 Inositol Hexaphosphate	E12 Thymidine 3',5'-cyclic monophosphate
+	+	+	+	+		+		+	+	W	+
F1 Negative Control	F2 Sulfate	F3 Thiosulfate	F4 Tetrathionate	F5 Thiophosphate	F6 Dithiophosphate	F7 L-Cysteine	F8 D-Cysteine	F9 L-Cysteinyl-Glycine	F10 L-Cysteic Acid	F11 Cysteamine	F12 L-Cysteine Sulfonic Acid
	+	+	+	+	+	+	+		W	+	+
G1 N-Acetyl-L-Cysteine	G2 S-Methyl-L-Cysteine	G3 Cystathionine	G4 Lanthionine	G5 Glutathione	G6 D,L-Ethionine	G7 L-Methionine	G8 D-Methionine	G9 Glycyl-L-Methionine	G10 N-Acetyl-D,L-Methionine	G11 L-Methionine Sulfoxide	G12 L-Methionine Sulfone
W	+	+	+	+	+	+	+	+	+	+	+
H1 L-Djenkolic Acid	H2 Thiourea	H3 1-Thio-β-D-Glucose	H4 D,L-Lipoamide	H5 Taurocholic Acid	H6 Taurine	H7 Hypotaurine	H8 P-Amino Benzene Sulfonic Acid	H9 Butane Sulfonic Acid	H10 2-Hydroxyethane Sulfonic Acid	H11 Methane Sulfonic Acid	H12 Tetramethylene Sulfone
+	+	+	+	+	+	+	+	+	+	W	+

FIGURE 4. Phosphorus & Sulfur Sources in PM4 MicroPlate