

PM1 MicroPlate™

Escherichia coli

A1 Negative Control	A2 L-Arabinose +	A3 N-Acetyl-D-Glucosamine +	A4 D-Saccharic Acid +	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 +	B5 D-Glucuronic Acid +	B6 D-Gluconic Acid +	B7 D,L- α -Glycerol-Phosphate +	B8 D-Xylose +	B9 L-Lactic Acid +	B10 Formic Acid W	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 W	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 W	D8 α -Methyl-D-Galactoside +	D9 α -D-Lactose +	D10 Lactulose +	D11 Sucrose +	D12 Uridine +
E1 L-Glutamine W	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 W	E8 β -Methyl-D-Glucoside W	E9 Adonitol	E10 Maltotriose +	E11 2-Deoxy Adenosine +	E12 Adenosine +
F1 Glycyl-L-Aspartic Acid +	F2 Citric Acid	F3 M-Inositol	F4 D-Threonine	F5 Fumaric Acid +	F6 Bromo Succinic Acid W	F7 Propionic Acid	F8 Mucic Acid +	F9 Glycolic Acid W	F10 Glyoxylic Acid +	F11 D-Cellobiose	F12 Inosine +
G1 Glycyl-L-Glutamic Acid W	G2 Tricarballic Acid	G3 L-Serine +	G4 L-Threonine	G5 L-Alanine W	G6 L-Alanyl-Glycine +	G7 Acetoacetic Acid	G8 N-Acetyl- β -D-Mannosamine W	G9 Mono Methyl Succinate +	G10 Methyl Pyruvate +	G11 D-Malic Acid +	G12 L-Malic Acid +
H1 Glycyl-L-Proline W	H2 P-Hydroxy Phenyl Acetic Acid	H3 M-Hydroxy Phenyl Acetic Acid	H4 Tyramine	H5 D-Psicose W	H6 L-Lyxose W	H7 Glucuronamide	H8 Pyruvic Acid +	H9 L-Galactonic Acid- γ -Lactone +	H10 D-Galacturonic Acid +	H11 Phenylethyl-amine	H12 2-Aminoethanol

FIGURE 1. Carbon Sources in PM1 MicroPlate

PM2 MicroPlate™

Escherichia coli

A1 Negative Control	A2 Chondroitin Sulfate C	A3 α -Cyclodextrin	A4 β -Cyclodextrin W	A5 γ -Cyclodextrin	A6 Dextrin +	A7 Gelatin	A8 Glycogen W	A9 Inulin	A10 Laminarin	A11 Mannan	A12 Pectin W
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	B12 3-O- β -D-Galactopyranosyl-D-Arabinose W
C1 Gentiobiose	C2 L-Glucose	C3 Lactitol	C4 D-Lyxose	C5 Maltitol	C6 α -Methyl-D-Galactoside +	C7 β -Methyl-D-Galactoside +	C8 3-Methyl Glucose W	C9 β -Methyl-D-Glucuronic Acid	C10 α -Methyl-D-Mannoside	C11 β -Methyl-D-Xyloside	C12 Palatinose
D1 D-Raffinose	D2 Salicin	D3 Sedoheptulosan	D4 L-Sorbose	D5 Stachyose	D6 D-Tagatose	D7 Turanose	D8 Xylitol	D9 L-Xylose	D10 γ -Amino Butyric Acid	D11 D-Amino Valeric Acid	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 W	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 W	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	H2 L-Phenylalanine	H3 L-Pyroglytamic Acid	H4 L-Valine	H5 D,L-Carnitine	H6 Sec-Butylamine	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™

Escherichia coli

A1 Negative Control	A2 Ammonia +	A3 Nitrite W	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 W	B4 L-Isoleucine W	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 W	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 W	D3 L-Pyroglutamic Acid	D4 Hydroxylamine	D5 Methylamine	D6 N-Amylamine	D7 N-Butylamine	D8 Ethylamine	D9 Ethanolamine	D10 Ethylenediamine	D11 Putrescine +	D12 Agmatine W
E1 Histamine	E2 β -Phenylethyl- amine	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
F1 N-Acetyl-D- Mannosamine +	F2 Adenine W	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 W	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
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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Escherichia coli

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 W	A12 Adenosine- 3',5'- cyclic monophosphate W
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
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
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 W	E7 2-Aminoethyl Phosphonic Acid W	E8 Methylene Diphosphonic Acid W	E9 Thymidine- 3'- Monophosphate +	E10 Thymidine- 5'- Monophosphate +	E11 Inositol Hexaphosphate W	E12 Thymidine 3',5'- cyclic monophosphate
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-Cystaic Acid W	F11 Cysteamine W	F12 L-Cysteine Sulfinic Acid +
G1 N-Acetyl-L- Cysteine	G2 S-Methyl-L- Cysteine	G3 Cystathionine +	G4 Lanthionine +	G5 Glutathione W	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
H1 L-Djenkolic Acid +	H2 Thiourea +	H3 1-Thio- β -D- Glucose	H4 D,L-Lipoamide W	H5 Taurocholic Acid W	H6 Taurine +	H7 Hypotaurine +	H8 P-Amino Benzene Sulfinic Acid	H9 Butane Sulfinic Acid +	H10 2-Hydroxyethane Sulfinic Acid +	H11 Methane Sulfinic Acid +	H12 Tetramethylene Sulfone

FIGURE 4. Phosphorus & Sulfur Sources in PM4 MicroPlate