PM1 MicroPlate™ Salmonella typhimurium LT2

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 +	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 W	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 W	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 +	F3 M-Inositol +	F4 D-Threonine W	F5 Fumaric Acid +	F6 Bromo Succinic Acid +	F7 Propionic Acid +	F8 Mucic Acid +	F9 Glycolic Acid	F10 Glyoxylic Acid +	F11 D-Cellobiose	F12 Inosine +
G1 Glycyl-L-Glutamic Acid +	G2 Tricarballylic 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 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™ Salmonella typhimurium LT2

A1 Negative Control	A2 Chondroitin Sulfate C	A3 α-Cyclodextrin	A4 β-Cyclodextrin	A5 γ-Cyclodextrin	A6 Dextrin +	A7 Gelatin	A8 Glycogen	A9 Inulin	A10 Laminarin	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 W	B8 Arbutin	B9 2-Deoxy-D-Ribose +	B10 I-Erythritol	B11 D-Fucose	B12 3-0-β-D-Galacto-pyranosyl-D-Arabinose
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	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	E11 Itaconic Acid	E12 5-Keto-D-Gluconic Acid
F1 D-Lactic Acid Methyl Ester +	F2 Malonic Acid	F3 Melibionic 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 +	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-Pyroglutamic 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™ Salmonella typhimurium LT2

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 W	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 W	C5 D-Aspartic Acid W	C6 D-Glutamic Acid	C7 D-Lysine W	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-Pyroglutamic Acid	D4 Hyroxylamine	D5 Methylamine	D6 N-Amylamine	D7 N-Butylamine	D8 Ethylamine	D9 Ethanolamine	D10 Ethylenediamine	D11 Putrescine	D12 Agmatine
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 +	F3 Adenosine +	F4 Cytidine +	F5 Cytosine +	F6 Guanine	F7 Guanosine	F8 Thymine +	F9 Thymidine	F10 Uracil W	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
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

PM4 MicroPlate™ Salmonella typhimurium LT2

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
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 W	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 W	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
F1 Negative Control	F2 Sulfate +	F3 Thiosulfate +	F4 Tetrathionate +	F5 Thiophosphate +	F6 Dithiophosphate +	F7 L-Cysteine +	F8 D-Cysteine W	F9 L-Cysteinyl-Glycine +	F10 L-Cysteic Acid	F11 Cysteamine	F12 L-Cysteine Sulfinic Acid +
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
H1 L-Djenkolic Acid +	H2 Thiourea W	H3 1-Thio-β-D-Glucose W	H4 D,L-Lipoamide W	H5 Taurocholic Acid W	H6 Taurine	H7 Hypotaurine W	H8 P-Amino Benzene Sulfonic Acid W	H9 Butane Sulfonic Acid W	H10 2-Hydroxyethane Sulfonic Acid W	H11 Methane Sulfonic Acid	H12 Tetramethylene Sulfone

FIGURE 4. Phosphorus & Sulfur Sources in PM4 MicroPlate