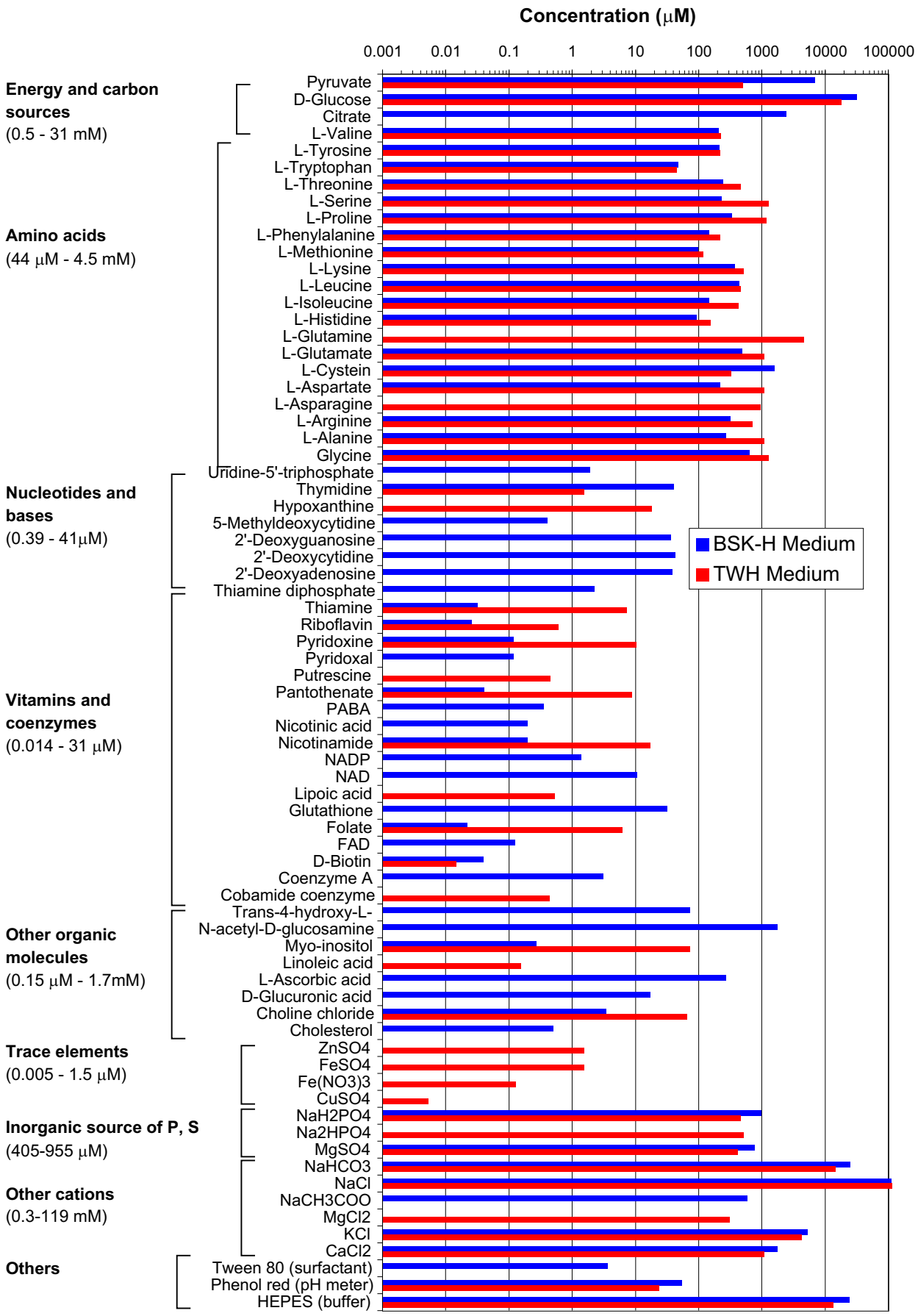
Concentration (μM)
0.001
0.01
0.1
1
10
100
1000
10000
100000
Energy and carbon sources
(0.5 - 31 mM)
Amino acids
(44 μM - 4.5 mM)
Nucleotides and bases
(0.39 - 41μM)
Vitamins and coenzymes
(0.014 - 31 μM)
Other organic molecules
(0.15 μM - 1.7mM)
Trace elements
(0.005 - 1.5 μM)
Inorganic source of P, S
(405-955 μM)
Other cations
(0.3-119 mM)
Others
Pyruvate
D-Glucose
Citrate
L-Valine
L-Tyrosine
L-Tryptophan
L-Threonine
L-Serine
L-Proline
L-Phenylalanine
L-Methionine
L-Lysine
L-Leucine
L-Isoleucine
L-Histidine
L-Glutamine
L-Glutamate
L-Cystein
L-Aspartate
L-Asparagine
L-Arginine
L-Alanine
Glycine
Uridine-5'-triphosphate
Thymidine
Hypoxanthine
5-Methyldeoxycytidine
2'-Deoxyguanosine
2'-Deoxycytidine
2'-Deoxyadenosine
Thiamine diphosphate
Thiamine
Riboflavin
Pyridoxine
Pyridoxal
Putrescine
Pantothenate
PABA
Nicotinic acid
Nicotinamide
NADP
NAD
Lipoic acid
Glutathione
Folate
FAD
D-Biotin
Coenzyme A
Cobamide coenzyme
Trans-4-hydroxy-L-
N-acetyl-D-glucosamine
Myo-inositol
Linoleic acid
L-Ascorbic acid
D-Glucuronic acid
Choline chloride
Cholesterol
ZnSO4
FeSO4
Fe(NO3)3
CuSO4
NaH2PO4
Na2HPO4
MgSO4
NaHCO3
NaCl
NaCH3COO
MgCl2
KCl
CaCl2
Tween 80 (surfactant)
Phenol red (pH meter)
HEPES (buffer)
BSK-H Medium
TWH Medium