

Interactive matrix: Each cell is a growth enviornment. Non-growing environments are black. Select Modifications in the table below to visualize which become growth environments for that modification.

Environment Name	Environment	Modification ID	Modification	#Enviornments Fixed	Accept	Comments
ShewyLactate	K+;Cl-;Mg;Na +;Al;Sulfate;Ca2+;Co;Cu2+;Fe2+;Boron;Mg2+;Mn2+;Molybdenum;Zn2+;L-Lactate;D-Lactate;NH4+;Phosphate;Fe3+;H2O;H+;O2	3B696BDE-07FD-11E2-8589-9905CA128ED3	-rxn02927 ; +rxn05618 ; +rxn05039 ; -rxn05514 ; +rxn03137 ; +cpd00149DrnRxn ; -rxn00601 ; -rxn03422 ; -rxn00420 ; +rxn03031 ; +rxn02939 ; +rxn02212 ; +rxn01256 ; +rxn00917 ; -rxn00832 ; +rxn00499 ; +rxn00048	20	yes	Reactions to enable synthesis of folate were added because folate was omitted from this media definition
ShewyAdenosineLactate	K+;Cl-;Mg;Na +;Al;Sulfate;Ca2+;Co;Cu2+;Fe2+;Boron;Mg2+;Mn2+;Molybdenum;Zn2	3B696BDE-07FD-11E2-8589-9905CA128ED3	-rxn02927 ; +rxn05618 ; +rxn05039 ; -rxn05514 ; +rxn03137 ; +cpd00149DrnRxn ; -rxn00601 ; -rxn03422 ; -rxn00420 ; +rxn03031 ; +rxn02939 ; +rxn02212 ; +rxn01256 ; +rxn00917 ; -rxn00832 ; +rxn00499 ; +rxn00048	10	yes	Reactions to enable synthesis of folate were added because folate was omitted from this media definition
ShewyS				5	yes	Reactions to enable synthesis of folate were added because folate was omitted from this media definition
ShewyL				1	no	Reactions to enable synthesis of folate were added because folate was omitted from this media definition
ShewyNAG	K+;Cl-;Mg;Na +;Al;Sulfate;Ca2+;Co;Cu2+;Fe2+;Boron;Mg2+;Mn2+;Molybdenum;Zn2+;L-Lactate;D-Lactate;NH4+;Phosphate;Fe3+;H2O;H+;O2	3B696BDE-07FD-11E2-8589-9905CA128ED3	-rxn02927 ; +rxn05618 ; +rxn05039 ; -rxn05514 ; +rxn03137 ; +cpd00149DrnRxn ; -rxn00601 ; -rxn03422 ; -rxn00420 ; +rxn03031 ; +rxn02939 ; +rxn02212 ; +rxn01256 ; +rxn00917 ; -rxn00832 ; +rxn00499 ; +rxn00048	1	no	Reactions to enable synthesis of folate were added because folate was omitted from this media definition

JSON object that this page would consume:

Data .Media = {[mediaName: “shewylactate”, mediaDescription: “a media that has lactate as the sole carbon source...”, mediaCompounds: "K+; Cl-; Mg; Na+; Al; Sulfate; Ca2+; Co; Cu2+; Fe2+; Boron; Mg2+; Mn2+; Molybdenum; Zn2+; L-Lactate; D-Lactate; NH4+; Phosphate; Fe3+; H2O; H+; O2"],[mediaName: put other media here]}

Data.Modification = {[modID: “3B696BDE-07FD-11E2-8589-9905CA128ED3”, modification: “list of reactions”, numFixed: 20, growthVector: This is a vector for all media in the object described above for the growth rate on that media before incorporating this change and after incorporating this change]}