 Powdered Media	DFP01	DFP02	DFP03	DFP04	DFP05	DFP07	DFP08	DFP14
Inorganic Salts	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Calcium Chloride, Anhydrous	116.6000	116.6000	116.6000	116.6000	116.6000	116.6000	116.6000	116.6000
Cupric Sulfate, Pentahydrate	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
Ferric Nitrate, Nonahydrate	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500
Ferrous Sulfate, Heptahydrate	0.4170	0.4170	0.4170	0.4170	0.4170	0.4170	0.4170	0.4170
Magnesium Chloride, Anhydrous	28.6100	28.6100	28.6100	28.6400	28.6100	28.6100	28.6100	28.6100
Magnesium Sulfate, Anhydrous	48.9300	48.9300	48.9300	48.8400	48.9300	48.9300	48.9300	48.9300
Potassium Chloride	311.8000	311.8000	311.8000	311.8000	311.8000	311.8000	311.8000	311.8000
Sodium Chloride	6995.5000	6995.5000	6995.5000	6999.5000	6995.5000	6995.5000	6995.5000	6995.5000
Sodium Phosphate Dibasic, Anhydrous	70.9600	70.9600	70.9600	71.0200	70.9600	70.9600	70.9600	70.9600
Sodium Phosphate, Monobasic, Monohydrate	62.5000	62.5000	62.5000	62.5000	62.5000	62.5000	62.5000	62.5000
Zinc Sulfate, Heptahydrate	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320
Other Components	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
D-Glucose, Anhydrous	3151.0000	3151.0000	3151.0000	1401.0000	3151.0000	3151.0000		3151.0000
HEPES	3574.5000	3574.5000	3574.5000		3574.5000			3574.5000
Hypoxanthine, Sodium	2.3900	2.3900	2.3900		2.3900	2.3900	2.3900	2.3900
Linoleic Acid	0.0420	0.0420	0.0420	0.0420	0.0420	0.0420	0.0420	0.0420
Lipoic Acid (DL-Thiolic Acid)	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050
Phenol Red, Sodium Salt	8.1000			8.1000		8.1000	8.1000	8.1000
Putrescine, Dihydrochloride	0.0810	0.0810	0.0810	0.0810	0.0810	0.0810	0.0810	0.0810
Pyruvic Acid, Sodium Salt	55.0000	55.0000	55.0000	110.0000	55.0000			55.0000
Thymidine	0.3650	0.3650	0.3650		0.3650	0.3650	0.3650	0.3650



## Powdered Media

DFP01

DFP02

DFP03

DFP04

DFP05

DFP07

DFP08

DFP14

### Vitamins

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

Biotin

0.0035

0.0035

0.0035

0.0035

0.0035

0.0035

0.0035

0.0035

Choline Chloride

8.9800

8.9800

8.9800

8.9800

8.9800

8.9800

8.9800

D-Calcium Pantothenate

2.2400

2.2400

2.2400

2.2400

2.2400

2.2400

2.2400

2.2400

Folic Acid

2.6500

2.6500

2.6500

2.6500

2.6500

2.6500

2.6500

2.6500

Myo-Inositol

12.6000

12.6000

12.6000

12.6000

12.6000

12.6000

12.6000

12.6000

Niacinamide

2.0200

2.0200

2.0200

2.0200

2.0200

2.0200

2.0200

2.0200

Pyridoxal, Hydrochloride

2.0000

Pyridoxine, Hydrochloride

2.0310

2.0310

2.0310

0.0310

2.0310

2.0310

2.0310

2.0310

Riboflavin

0.2190

0.2190

0.2190

0.2190

0.2190

0.2190

0.2190

0.2190

Thiamine, Hydrochloride

2.1700

2.1700

2.1700

2.1700

2.1700

2.1700

2.1700

2.1700

Vitamin B12

0.6800

0.6800

0.6800

0.6800

0.6800

0.6800

0.6800

0.6800







## Powdered Media

DFP15

DFP16

DFP17

DFP18

DFP19

DFP22

DFP24

DFP25

### Vitamins

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

Biotin

0.0035

0.0035

0.0035

0.0035

0.0035

0.0035

0.0035

0.0035

Choline Chloride

8.9800

8.9800

8.9800

8.9800

8.9800

8.9800

8.9800

D-Calcium Pantothenate

2.2400

2.2400

2.2400

2.2400

2.2400

2.2400

2.2400

2.2400

Folic Acid

2.6500

2.6500

2.6500

2.6500

2.6500

2.6500

2.6500

Myo-Inositol

12.6000

12.6000

12.6000

12.6000

12.6000

12.6000

12.6000

12.6000

Niacinamide

2.0200

2.0200

2.0200

2.0200

2.0200

2.0200

2.0200

2.0200

Pyridoxine, Hydrochloride

2.0310

2.0310

2.0310

2.0310

2.0310

2.0310

2.0310

2.0310

Riboflavin

0.2190

0.2190

0.2190

0.2190

0.2190

0.2190

0.2190

0.2190

Thiamine, Hydrochloride

2.1700

2.1700

2.1700

2.1700

2.1700

2.1700

2.1700

2.1700

Vitamin B12

0.6800

0.6800

0.6800

0.6800

0.6800

0.6800

0.6800









## Powdered Media

DFP26

DFP27

DFP28

DFP29

DFP30

DFP31

DFP32

DFP33

### Vitamins

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

Biotin

0.0035

0.0035

0.0035

0.0035

0.0035

0.0035

0.0035

0.0035

Choline Chloride

8.9800

8.9800

8.9800

8.9800

8.9800

8.9800

8.9800

8.9800

D-Calcium Pantothenate

2.2400

2.2400

2.2400

2.2400

2.2400

2.2400

2.2400

2.2400

Folic Acid

2.6500

2.6500

2.6500

2.6500

2.6500

2.6500

2.6500

2.6500

Myo-Inositol

12.6000

12.6000

12.6000

12.6000

12.6000

12.6000

12.6000

12.6000

Niacinamide

2.0200

2.0200

2.0200

2.0200

2.0200

2.0200

2.0200

2.0200

Pyridoxine, Hydrochloride

2.0310

2.0310

2.0310

2.0310

2.0310

2.0310

2.0310

2.0310

Riboflavin

0.2190

0.2190

0.2190

0.2190

0.2190

0.2190

0.2190

0.2190

Thiamine, Hydrochloride

2.1700

2.1700

2.1700

2.1700

2.1700

2.1700

2.1700

2.1700

Vitamin B12

0.6800

0.6800

0.6800

0.6800

0.6800

0.6800

0.6800

0.6800







## Powdered Media

DFP34

DFP35

DFP36

DFP37

DFP38

DFP39

DFP40

DFP41

### Vitamins

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

Biotin

0.0035

0.0035

0.0035

0.0035

0.0035

0.0035

0.0035

0.0035

Choline Chloride

8.9800

8.9800

8.9800

8.9800

8.9800

8.9800

8.9800

8.9800

D-Calcium Pantothenate

2.2400

2.2400

2.2400

2.2400

2.2400

2.2400

2.2400

2.2400

Folic Acid

2.6500

2.6500

2.6500

2.6500

2.6500

2.6500

2.6500

2.6500

Myo-Inositol

12.6000

12.6000

12.6000

12.6000

12.6000

12.6000

12.6000

12.6000

Niacinamide

2.0200

2.0200

2.0200

2.0200

2.0200

2.0200

2.0200

2.0200

Pyridoxine, Hydrochloride

2.0310

2.0310

2.0310

2.0310

2.0310

2.0310

2.0310

2.0310

Riboflavin

0.2190

0.2190

0.2190

0.2190

0.2190

0.2190

0.2190

0.2190

Thiamine, Hydrochloride

2.1700

2.1700

2.1700

2.1700

2.1700

2.1700

2.1700

2.1700

Vitamin B12

0.6800

0.6800

0.6800

0.6800

0.6800

0.6800

0.6800

0.6800



## Powdered Media

DFP42

DFP43

DFP44

### Amino Acids

mg/L

mg/L

mg/L

Glycine	18.7500	18.7500	18.7500
L-Alanine	4.4500	4.4500	4.4500
L-Arginine, Hydrochloride	147.5000	147.5000	147.5000
L-Asparagine, Monohydrate	7.5000	7.5000	7.5000
L-Aspartic Acid	6.6500	6.6500	6.6500
L-Cysteine, Hydrochloride, Monohydrate	17.5600	17.5600	17.5600
L-Cystine, Dihydrochloride	31.2900	31.2900	31.2900
L-Glutamine	365.0000	365.0000	365.0000
L-Histidine, Hydrochloride, Monohydrate	31.4800	31.4800	31.4800
L-Isoleucine	54.4700	54.4700	54.4700
L-Leucine	59.0500	59.0500	59.0500
L-Lysine, Hydrochloride	91.2500	91.2500	91.2500
L-Methionine	17.2400	17.2400	17.2400
L-Phenylalanine	35.4800	35.4800	35.4800
L-Proline	17.2500	17.2500	17.2500
L-Serine	26.2500	26.2500	26.2500
L-Threonine	53.4500	53.4500	53.4500
L-Tryptophan		9.0200	9.0200
L-Tyrosine, Disodium, Dihydrate	55.7900		55.7900
L-Valine	52.8500	52.8500	



## Powdered Media

DFP42

DFP43

DFP44

### Inorganic Salts

mg/L

mg/L

mg/L

Calcium Chloride, Anhydrous 116.6000 116.6000 116.6000

Cupric Sulfate, Pentahydrate 0.0013 0.0013 0.0013

Ferric Nitrate, Nonahydrate 0.0500 0.0500 0.0500

Ferrous Sulfate, Heptahydrate 0.4170 0.4170 0.4170

Magnesium Chloride, Anhydrous 28.6100 28.6100 28.6100

Magnesium Sulfate, Anhydrous 48.9300 48.9300 48.9300

Potassium Chloride 311.8000 311.8000 311.8000

Sodium Chloride 6995.5000 6995.5000 6995.5000

Sodium Phosphate Dibasic, Anhydrous 70.9600 70.9600 70.9600

Sodium Phosphate, Monobasic, Monohydrate 62.5000 62.5000 62.5000

Zinc Sulfate, Heptahydrate 0.4320 0.4320 0.4320

### Other Components

mg/L

mg/L

mg/L

D-Glucose, Anhydrous 3151.0000 3151.0000 3151.0000

HEPES 3574.5000 3574.5000 3574.5000

Hypoxanthine, Sodium 2.3900 2.3900 2.3900

Linoleic Acid 0.0420 0.0420 0.0420

Lipoic Acid (DL-Thiolic Acid) 0.1050 0.1050 0.1050

Phenol Red, Sodium Salt 8.1000 8.1000 8.1000

Putrescine, Dihydrochloride 0.0810 0.0810 0.0810

Pyruvic Acid, Sodium Salt 55.0000 55.0000 55.0000

Thymidine 0.3650 0.3650 0.3650



## Powdered Media

DFP42

DFP43

DFP44

### Vitamins

mg/L

mg/L

mg/L


Biotin	0.0035	0.0035	0.0035
Choline Chloride	8.9800	8.9800	8.9800
D-Calcium Pantothenate	2.2400	2.2400	2.2400
Folic Acid	2.6500	2.6500	2.6500
Myo-Inositol	12.6000	12.6000	12.6000
Niacinamide	2.0200	2.0200	2.0200
Pyridoxine, Hydrochloride	2.0310	2.0310	2.0310
Riboflavin	0.2190	0.2190	0.2190
Thiamine, Hydrochloride	2.1700	2.1700	2.1700
Vitamin B12	0.6800	0.6800	0.6800











 Liquid Media	DFL23	DFL25	DFL27	DFL28
Amino Acids	mg/L	mg/L	mg/L	mg/L
Glycine	18.7500	18.7500	18.7500	18.7500
L-Alanine	4.4500	4.4500	4.4500	4.4500
L-Arginine, Hydrochloride	147.5000	147.5000		
L-Asparagine, Monohydrate	7.5000	7.5000	7.5000	7.5000
L-Aspartic Acid	6.6500	6.6500	6.6500	6.6500
L-Cysteine, Hydrochloride, Monohydrate	17.5600	17.5600	17.5600	17.5600
L-Cystine, Dihydrochloride	31.2900	31.2900	31.2900	31.2900
L-Glutamine		365.0000	365.0000	
L-Histidine, Hydrochloride, Monohydrate	31.4800	31.4800	31.4800	31.4800
L-Isoleucine	54.4700	54.4700	54.4700	54.4700
L-Leucine	59.0500	59.0500	59.0500	59.0500
L-Lysine, Hydrochloride	91.2500	91.2500		
L-Methionine	17.2400	17.2400	17.2400	17.2400
L-Phenylalanine	35.4800	35.4800	35.4800	25.4800
L-Proline	17.2500	17.2500	17.2500	17.2500
L-Serine	26.2500	26.2500	26.2500	26.2500
L-Threonine	53.4500	53.4500	53.4500	53.4500
L-Tryptophan	9.0200	9.0200	9.0200	9.0200
L-Tyrosine, Disodium, Dihydrate	55.7900	55.7900	55.7900	55.7900
L-Valine	52.8500	52.8500	52.8500	55.7900

 Liquid Media	DFL23	DFL25	DFL27	DFL28
Inorganic Salts	mg/L	mg/L	mg/L	mg/L
Calcium Chloride, Anhydrous	116.6000	116.6000	116.6000	116.6000
Cupric Sulfate, Pentahydrate	0.0013	0.0013	0.0013	0.0013
Ferric Nitrate, Nonahydrate	0.0500	0.0500	0.0500	0.5000
Ferrous Sulfate, Heptahydrate	0.4170	0.4170	0.4170	0.4170
Magnesium Chloride, Anhydrous	28.6100	28.6100	28.6100	28.6100
Magnesium Sulfate, Anhydrous	48.9300	48.9300	48.9300	48.9300
Potassium Chloride	311.8000	311.8000	311.8000	311.8000
Sodium Bicarbonate	2438.0000	1200.0000	2438.0000	1200.0000
Sodium Chloride	6995.5000	6995.5000	6995.5000	1000.0000
Sodium Phosphate Dibasic, Anhydrous	70.9600	70.9600	70.9600	70.9600
Sodium Phosphate, Monobasic, Monohydrate	62.5000	62.5000	62.5000	62.5000
Zinc Sulfate, Heptahydrate	0.4320	0.4320	0.4320	0.4320
Other Components	mg/L	mg/L	mg/L	mg/L
D-Glucose, Anhydrous		3151.0000	3151.0000	3151.0000
HEPES		3574.5000		
Hypoxanthine, Sodium	2.3900	2.3900	2.3900	2.3900
Linoleic Acid	0.0420	0.0420	0.0420	0.0420
Lipoic Acid (DL-Thiolic Acid)	0.1050	0.1050	0.1050	0.1050
Phenol Red, Sodium Salt			8.1000	8.1000
Phloroglucinol				2.0310
Putrescine, Dihydrochloride	0.0810	0.0810	0.0810	0.0810
Pyruvic Acid, Sodium Salt	55.0000	55.0000	55.0000	55.0000
Thymidine	0.3650	0.3650	0.3650	0.3650

 Liquid Media	DFL23	DFL25	DFL27	DFL28
Vitamins	mg/L	mg/L	mg/L	mg/L
Biotin	0.0035	0.0035	0.0035	0.0035
Choline Chloride	8.9800		8.9800	8.9800
D-Calcium Pantothenate	2.2400	2.2400	2.2400	2.2400
Folic Acid	2.6500	2.6500	2.6500	2.6500
Myo-Inositol	12.6000	12.6000	12.6000	12.6000
Niacinamide	2.0200	2.0200	2.0200	2.0200
Pyridoxine, Hydrochloride	2.0310	2.0310	2.0310	
Riboflavin	0.2190	0.2190	0.2190	0.2190
Thiamine, Hydrochloride	2.1700	2.1700	2.1700	2.1700
Vitamin B12	0.6800	0.6800	0.6800	0.6800