 Powdered Media	DFP01	DFP02	DFP03	DFP04	DFP05	DFP07	DFP08	DFP15
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

DFP16

DFP17

DFP18

DFP19

DFP22

DFP24

DFP25

DFP26

### 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

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	DFP27	DFP28	DFP29	DFP30	DFP31	DFP32	DFP33	DFP34
Amino Acids	mg/L	mg/L	mg/L	mg/L	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	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-Glutamic Acid	7.3500	7.3500	7.3500	7.3500				
L-Glutamine	365.0000	365.0000	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	91.2500	91.2500				
L-Methionine	17.2400	17.2400	17.2400	17.2400				
L-Phenylalanine	35.4800	35.4800	35.4800	35.4800				
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	52.8500				

 Powdered Media	DFP27	DFP28	DFP29	DFP30	DFP31	DFP32	DFP33	DFP34
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				
Cupric Sulfate, Pentahydrate	0.0013	0.0013	0.0013	0.0013				
Ferric Nitrate, Nonahydrate	0.0500	0.0500	0.0500	0.0500				
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 Chloride	6995.5000	6995.5000	6995.5000	6995.5000				
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	mg/L	mg/L	mg/L	mg/L
D-Glucose, Anhydrous	3151.0000	3151.0000	3151.0000	3151.0000				
HEPES	3574.5000	3574.5000	3574.5000	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	8.1000	8.1000				
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				



 Powdered Media	DFP27	DFP28	DFP29	DFP30	DFP31	DFP32	DFP33	DFP34
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				
Choline Chloride	8.9800	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	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				









## Liquid Media

DFL25

DFL27

DFL28


### 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		
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-Glutamic Acid	7.3500	7.3500	7.3500
L-Glutamine	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		
L-Methionine	17.2400	17.2400	17.2400
L-Phenylalanine	35.4800	35.4800	25.4800
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	9.0200
L-Tyrosine, Disodium, Dihydrate	55.7900	55.7900	55.7900
L-Valine	52.8500	52.8500	55.7900

 Liquid Media	DFL25	DFL27	DFL28
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	0.5000
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 Bicarbonate	1200.0000	2438.0000	1200.0000
Sodium Chloride	6995.5000	6995.5000	1000.0000
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		
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
Putrescine, Dihydrochloride	0.0810	0.0810	0.0810
Pyruvic Acid, Sodium Salt	55.0000	55.0000	
Thymidine	0.3650	0.3650	0.3650



## Liquid Media

DFL25

DFL27

DFL28

### Vitamins

mg/L

mg/L

mg/L

Biotin	0.0035	0.0035	0.0035
Choline Chloride		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
Phloroglucinol			2.0310
Pyridoxine, Hydrochloride	2.0310	2.0310	
Pyruvic Acid, Sodium Salt			55.0000
Riboflavin	0.2190	0.2190	0.2190
Thiamine, Hydrochloride	2.1700	2.1700	2.1700
Vitamin B12	0.6800	0.6800	0.6800