


|  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

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-Glutamic Acid | 7.3500 | 7.3500 | 7.3500 |
| 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

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 |