



ISO 13485:2016 Certified | GMP Certified

2235 Cornell Ave. Montgomery, IL 60538 | (800) 246 - 4088 | CustomerService@Biologos.com | Biologos.com

## SPECIFICATION SHEET

PRODUCT: **McCOY'S 5A MEDIUM (1X)**

**Iwakata and Grace Modification**

**Sterile Filtered 0.1 $\mu$  - USP TESTED**

Catalog Number: **L1010-11**

### MEDIA FORMULATION

#### L1010-11

McCoy's 5a Medium (1X)

Iwakata and Grace Modification

<u>Components</u>	<u>mg/L</u>
<b>INORGANIC SALTS</b>	
Calcium Chloride, Dihydrate (CaCl <sub>2</sub> · H <sub>2</sub> O)	132.50
Ferric Nitrate, Nonahydrate (Fe(NO <sub>3</sub> ) <sub>3</sub> · 9H <sub>2</sub> O)	0.1000
Potassium Chloride (KCl)	400.00
Magnesium Sulfate, Anhydrous (MgSO <sub>4</sub> )	97.680
Sodium Chloride (NaCl)	6460.0
Sodium Bicarbonate (NaHCO <sub>3</sub> )	3700.0
Sodium Phosphate, Monobasic, Monohydrate (NaH <sub>2</sub> PO <sub>4</sub> · H <sub>2</sub> O)	580.00
<b>OTHER COMPONENTS</b>	
D-Glucose, Anhydrous (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )	3000.00
Meat Peptone	600.000
Phenol Red, Sodium Salt (C <sub>19</sub> H <sub>13</sub> NaO <sub>5</sub> S)	10.0000
<b>AMINO ACIDS</b>	
L-Alanine (C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> )	13.3600
L-Arginine, Hydrochloride (C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> · HCl)	42.1400
L-Ascorbic Acid (C <sub>6</sub> H <sub>8</sub> O <sub>6</sub> )	0.50000
L-Asparagine, Monohydrate (C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> · H <sub>2</sub> O)	45.0300
L-Aspartic Acid (C <sub>4</sub> H <sub>7</sub> NO <sub>4</sub> )	19.9700
L-Cysteine, Hydrochloride, Monohydrate (C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> · HCl · H <sub>2</sub> O)	35.1400
Glycine (C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub> )	7.51000
L-Glutamic Acid (C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub> )	22.0700
L-Glutamine (C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub> )	219.200
L-Histidine, Hydrochloride, Monohydrate (C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> · HCl · H <sub>2</sub> O)	20.9600
L-Hydroxyproline (C <sub>5</sub> H <sub>9</sub> NO <sub>3</sub> )	19.6700
L-Isoleucine (C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> )	39.3600

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### MEDIA FORMULATION (CONTINUED)

<u>Components</u>	<u>mg/Liter</u>
<b>AMINO ACIDS (CONTINUED)</b>	
L-Leucine (C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> )	39.3600
L-Lysine, Hydrochloride (C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> · HCl)	36.5400
L-Methionine (C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S)	14.9200
L-Phenylalanine (C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub> )	16.5200
L-Proline (C <sub>5</sub> H <sub>9</sub> NO <sub>2</sub> )	17.2700
L-Serine (C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub> )	26.2800
L-Threonine (C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub> )	17.8700
L-Tryptophan (C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> )	3.06000
L-Tyrosine, Disodium, Dihydrate (C <sub>9</sub> H <sub>9</sub> NO <sub>3</sub> Na <sub>2</sub> · 2H <sub>2</sub> O)	26.1200
L-Valine (C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> )	17.5700
<b>VITAMINS</b>	
l <sup>-</sup> -Aminobenzoic Acid (C <sub>7</sub> H <sub>7</sub> NO <sub>2</sub> )	1.00000
Biotin (C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub> S)	0.20000
D-Calcium Pantothenate (C <sub>18</sub> H <sub>32</sub> CaN <sub>2</sub> O <sub>10</sub> )	0.20000
Choline Chloride (C <sub>5</sub> H <sub>14</sub> ONCl)	5.00000
Folic Acid (C <sub>19</sub> H <sub>19</sub> N <sub>7</sub> O <sub>6</sub> )	10.0000
Glutathione, Reduced (C <sub>10</sub> H <sub>17</sub> N <sub>3</sub> O <sub>6</sub> S)	0.50000
Myo-Inositol (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )	36.0000
Niacinamide (C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O)	0.50000
Nicotinic Acid (C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub> )	0.50000
Pyridoxal, Hydrochloride (C <sub>8</sub> H <sub>9</sub> NO <sub>3</sub> · HCl)	0.50000
Pyridoxine, Hydrochloride (C <sub>8</sub> H <sub>11</sub> NO <sub>3</sub> · HCl)	0.50000
Riboflavin (C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> O <sub>6</sub> )	0.20000
Thiamine, Hydrochloride (C <sub>12</sub> H <sub>17</sub> ClN <sub>4</sub> OS · HCl)	0.20000
Vitamin B12 (C <sub>63</sub> H <sub>88</sub> CoN <sub>14</sub> O <sub>14</sub> P)	2.00000

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**ASSAY:**

Appearance  
pH  
Osmolality  
Sterility per USP <71>

**SPECIFICATION:**

Clear, Red Solution  
7.0 - 7.4  
Measure and Record  
  
Fungal                      NEGATIVE  
Bacterial                    NEGATIVE

Storage: 2°- 8°C

**Minimum Recommended Expiration Date:** [18 Months from Date of Manufacturing]

Approved by:



6/20/2019

Quality and Compliance Manager

Date

Customer Representative

Date

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