

## Glasgow's Minimum Essential Medium

**Product Number GMP02-100LT**

**Glasgow's MEM with 2.95 g/L Tryptose Phosphate Broth.**

**Without sodium bicarbonate. Store at 2° to 8°C.**

Phenol Red, Sodium Salt (C <sub>19</sub> H <sub>13</sub> NaO <sub>5</sub> S)	15.0000
Potassium Chloride (KCl)	400.0000
Pyridoxal, Hydrochloride (C <sub>8</sub> H <sub>9</sub> NO <sub>3</sub> · HCl)	2.0000
Riboflavin (C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> O <sub>6</sub> )	0.2000
Sodium Chloride (NaCl)	6900.0000
Sodium Phosphate Dibasic, Anhydrous (Na <sub>2</sub> HPO <sub>4</sub> )	250.0000
Sodium Phosphate, Monobasic, Monohydrate (NaH <sub>2</sub> PO <sub>4</sub> · H <sub>2</sub> O)	125.3600
Thiamine, Hydrochloride (C <sub>12</sub> H <sub>17</sub> ClN <sub>4</sub> OS · HCl)	2.0000

Components	mg/L
Calcium Chloride, Anhydrous (CaCl <sub>2</sub> )	200.0000
Casein Digest Peptone (Tryptone)	2000.0000
Choline Chloride (C <sub>5</sub> H <sub>14</sub> ONCl)	2.0000
D-Calcium Pantothenate (C <sub>18</sub> H <sub>32</sub> CaN <sub>2</sub> O <sub>10</sub> )	2.0000
D-Glucose, Anhydrous (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )	4700.0000
Ferric Nitrate, Nonahydrate (Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O)	0.1000
Folic Acid (C <sub>19</sub> H <sub>19</sub> N <sub>7</sub> O <sub>6</sub> )	2.0000
L-Arginine, Hydrochloride (C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> · HCl)	42.0000
L-Cystine, Dihydrochloride (C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub> · 2HCl)	31.0000
L-Glutamine (C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub> )	292.0000
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)	21.0000
L-Isoleucine (C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> )	52.0000
L-Leucine (C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> )	52.0000
L-Lysine, Hydrochloride (C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> · HCl)	73.0000
L-Methionine (C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S)	15.0000
L-Phenylalanine (C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub> )	33.0000
L-Threonine (C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub> )	47.6000
L-Tryptophan (C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> )	8.0000
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)	52.0000
L-Valine (C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> )	46.8000
Magnesium Sulfate, Anhydrous (MgSO <sub>4</sub> )	97.7200
Myo-Inositol (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )	3.6000
Niacinamide (C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O)	2.0000