



RAW MATERIALS FOR CELL CULTURE MEDIA PRODUCTION

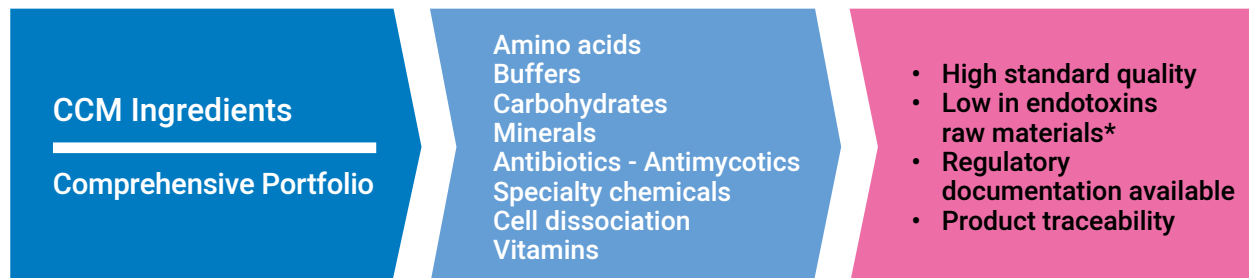
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Biopharma process yield is extremely important in particular for biomolecules to be used, for example, in vaccines production.

During the upstream, feeding the cells with the most suitable media is the key to drive with success the entire process. A well-balanced cell medium is based on high quality raw materials able to support the cells growth.

ITW Reagents supports the cell culture media development production with a comprehensive portfolio of high-quality raw materials and specialty chemicals, also available for industrial scale manufacturing process.



| Product code | Product name | CAS number | Ingredient group |
|--------------|--|-------------|------------------|
| A3198 | L-Alanyl-L-Glutamine for cell culture | 39537-23-0 | Amino acids |
| A1345 | L-Arginine base (Ph. Eur., USP) pure, pharma grade | 74-79-3 | Amino acids |
| A1668 | L-Asparagine 1-hydrate (Ph.Eur.) pure, pharma grade | 5794-13-8 | Amino acids |
| A1701 | L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade | 56-84-8 | Amino acids |
| 147765 | L-Cystine (Ph. Eur.) pure, pharma grade | 56-89-3 | Amino acids |
| A1704 | L-Glutamic Acid (Ph. Eur., USP) pure, pharma grade | 56-86-0 | Amino acids |
| 141340 | Glycine (USP, BP, Ph. Eur.) pure, pharma grade | 56-40-6 | Amino acids |
| A1591 | L-Histidine Hydrochloride 1-hydrate (Ph. Eur.) pure, pharma grade | 5934-29-2 | Amino acids |
| A1440 | L-Isoleucine (Ph. Eur., USP) pure, pharma grade | 73-32-5 | Amino acids |
| A1342 | L-Lysine 1-hydrate (DAB) pure, pharma grade | 39665-12-8 | Amino acids |
| A1344 | L-Phenylalanine (Ph. Eur., USP) pure, pharma grade | 63-91-2 | Amino acids |
| A1707 | L-Proline (Ph. Eur., USP) pure, pharma grade | 147-85-3 | Amino acids |
| A1708 | L-Serine (Ph. Eur., USP) pure, pharma grade | 56-45-1 | Amino acids |
| A1645 | L-Tryptophan (Ph. Eur., USP) pure, pharma grade | 73-22-3 | Amino acids |
| A1025 | Bis-Tris for buffer solutions | 6976-37-0 | Buffers |
| A1069 | HEPES for buffer solutions | 7365-45-9 | Buffers |
| A3268 | HEPES for cell culture | 7365-45-9 | Buffers |
| A4517 | MOPS Hemisodium Salt for buffer solutions | 117961-20-3 | Buffers |
| Z41940 | Tris (Hydroxymethyl) Aminomethane (USP, BP, Ph. Eur.) low in endotoxins pure, pharma grade | 77-86-1 | Buffers |
| 141940 | Tris (USP, BP, Ph. Eur.) pure, pharma grade | 77-86-1 | Buffers |
| 633654 | Tris Hydrochloride low endotoxin, pharma grade | 1185-53-1 | Buffers |
| A1087 | Tris Hydrochloride for buffer solutions | 1185-53-1 | Buffers |
| Z42173 | D(+)-Galactose low endotoxin (Ph. Eur.) pure, pharma grade | 59-23-4 | Carbohydrates |
| 142173 | D(+)-Galactose (Ph. Eur.) pure, pharma grade | 59-23-4 | Carbohydrates |
| 141341 | D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pure, pharma grade | 50-99-7 | Carbohydrates |
| A1349 | D(+)-Glucose 1-hydrate BioChemica | 77938-63-7 | Carbohydrates |
| 631621 | D(+)-Sucrose (USP-NF, BP, Ph. Eur.) low in endotoxins, IPEC grade | 57-50-1 | Carbohydrates |
| 141621 | D(+)-Sucrose (USP-NF, BP, Ph. Eur., JP) pure, pharma grade | 57-50-1 | Carbohydrates |
| 191232 | Calcium Chloride 2-hydrate powder (USP, BP, Ph. Eur.) pharma grade | 10035-04-8 | Minerals |
| 141270 | Copper(II) Sulfate 5-hydrate (BP, Ph. Eur.) pure, pharma grade | 7758-99-8 | Minerals |
| 141362 | Iron(II) Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade | 7782-63-0 | Minerals |
| 191494 | Potassium Chloride (USP, BP, Ph. Eur.) pharma grade | 7447-40-7 | Minerals |
| 141512 | di-Potassium Hydrogen Phosphate anhydrous (BP, Ph. Eur.) pure, pharma grade | 7758-11-4 | Minerals |
| 631659 | Sodium Chloride (Ph. Eur, BP, USP) low in endotoxins, IPEC grade | 7647-14-5 | Minerals |
| 631638 | Sodium Hydrogen Carbonate (Ph. Eur, BP, USP) IPEC grade | 144-55-8 | Minerals |

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| 141679 | di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade | 7558-79-4 | Minerals |
| 142507 | di-Sodium Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade | 10028-24-7 | Minerals |
| Z41678 | di-Sodium Hydrogen Phosphate 12-hydrate (USP, BP, Ph. Eur.) low in endotoxins pure, pharma grade | 10039-32-4 | Minerals |
| 141965 | Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) pure, pharma grade | 10049-21-5 | Minerals |
| 141677 | Sodium di-Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade | 13472-35-0 | Minerals |
| 142756 | Sodium Selenite anhydrous pure | 10102-18-8 | Minerals |
| A6352 | Ampicillin Sodium Salt (Ph. Eur.) pure, pharma grade | 69-52-3 | Antibiotics - Antimycotics |
| A1492 | Gentamycin Sulfate BioChemica | 1405-41-0 | Antibiotics - Antimycotics |
| A4789 | Kanamycin Sulfate (Ph. Eur., BP) pure, pharma grade | 5965-95-7 | Antibiotics - Antimycotics |
| A1837 | Penicillin G Potassium Salt BioChemica | 113-98-4 | Antibiotics - Antimycotics |
| A2150 | 2'-Deoxyadenosine 1-hydrate BioChemica | 16373-93-6 | Specialty chemicals |
| A2151 | 2'-Deoxycytidine Hydrochloride BioChemica | 3992-42-5 | Specialty chemicals |
| A2152 | 2'-Deoxyguanosine 1-hydrate BioChemica | 961-07-9 | Specialty chemicals |
| A2265 | 2'-Deoxythymidine BioChemica | 50-89-5 | Specialty chemicals |
| A2163 | Flavin Adenine Dinucleotide Disodium Salt 2-hydrate | 146-14-5 | Specialty chemicals |
| A2243 | L-Glutathione oxidized BioChemica | 27025-41-8 | Specialty chemicals |
| A2084 | L-Glutathione reduced BioChemica | 70-18-8 | Specialty chemicals |
| A2253 | β-Glycerol Phosphate Disodium Salt 5-hydrate BioChemica | 819-83-0 | Specialty chemicals |
| Z46543 | Guanosine low endotoxin, pure grade | 118-00-3 | Specialty chemicals |
| A0700 | Hypoxanthine BioChemica | 68-94-0 | Specialty chemicals |
| A7729 | Hypoxanthine Sodium Salt BioChemica | 45738-97-4 | Specialty chemicals |
| A1124 | NAD | 53-84-9 | Specialty chemicals |
| A1394 | NADP Sodium Salt | 1184-16-3 | Specialty chemicals |
| A2217 | Putrescine Dihydrochloride | 333-93-7 | Specialty chemicals |
| Z41683 | Sodium L-Glutamate 1-hydrate (USP-NF) low in endotoxins pure, pharma grade | 6106-04-3 | Specialty chemicals |
| A4859 | Sodium Pyruvate for cell culture | 113-24-6 | Specialty chemicals |
| A0672 | Spermine BioChemica | 71-44-3 | Specialty chemicals |
| A7080 | Spermine Tetrahydrochloride BioChemica | 306-67-2 | Specialty chemicals |
| 142050 | Tween® 80 (USP-NF, BP, Ph. Eur.) pure, pharma grade | 9005-65-6 | Specialty chemicals |
| 191754 | Urea crystalline (USP, BP, Ph. Eur.) pharma grade | 57-13-6 | Specialty chemicals |
| A0666 | Uridine BioChemica | 58-96-8 | Specialty chemicals |
| 141013 | L(+)-Ascorbic Acid (USP, BP, Ph. Eur.) pure, pharma grade | 50-81-7 | Vitamins |
| 143977 | D(+)-Biotin (USP) pure, pharma grade | 58-85-5 | Vitamins |
| A7092 | Folic acid crystalline (Ph. Eur., USP) pure, pharma grade | 59-30-3 | Vitamins |
| A1716 | myo-Inositol BioChemica | 87-89-8 | Vitamins |
| A4065 | DL-α-Lipoic Acid BioChemica | 1077-28-7 | Vitamins |
| A0963 | Nicotinic Acid (Ph. Eur., USP) pure, pharma grade | 59-67-6 | Vitamins |
| A2088 | D-Pantothenic Acid Calcium Salt BioChemica | 137-08-6 | Vitamins |
| A0960 | Pyridoxal Hydrochloride BioChemica | 65-22-5 | Vitamins |
| A8093 | Pyridoxine Hydrochloride (Ph. Eur., USP) pure, pharma grade | 58-56-0 | Vitamins |
| A6279 | Riboflavin (Ph. Eur., USP) pure, pharma grade | 83-88-5 | Vitamins |
| A0955 | Thiamin Hydrochloride BioChemica | 67-03-8 | Vitamins |
| A8454 | Vitamin B12 (Ph. Eur.) pure, pharma grade | 68-19-9 | Vitamins |
| 141026 | EDTA (USP-NF, BP, Ph. Eur.) pure, pharma grade | 60-00-4 | Cell dissociation |
| 141669 | EDTA Disodium Salt 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade | 6381-92-6 | Cell dissociation |
| A3964 | Trypsin from bovine pancreas | 9002-07-7 | Cell dissociation |
| 631085 | Ethanol 96% v/v (Ph.Eur, BP, USP) IPEC grade | 64-17-5 | Other |
| 631086 | Ethanol absolute (Ph. Eur, BP, USP, JP) low in endotoxins, IPEC grade | 64-17-5 | Other |
| 143006 | Hydrochloric Acid 10% w/w (USP-NF, Ph. Eur.) pure, pharma grade | 7647-01-0 | Other |
| 143402 | Sodium Hydroxide solution 25% w/w pure | 1310-73-2 | Other |

This is a product selection for Cell Culture Media production. If you have any other needs or requests, please contact us at biopharma@itwreagents.com and we will be glad to support you.



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