**Table S: The concentration of amino acids in DMEM and MEM**

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| --- | --- | --- |
| Amino Acids | DMEM(mg/L) | MEM(mg/L) |
| L-Cystine | 62.6 | 31.0 |
| L-Glutamine | 584.0 | 292.0 |
| L-Histidine | 42.0 | 42.0 |
| L-Isoleucine | 105.0 | 52.0 |
| L-Leucine | 105.0 | 52.0 |
| L-Lysine | 146.0 | 73.0 |
| L-Methionine | 30.0 | 15.0 |
| L-Phenylalanine | 66.0 | 32.0 |
| L-Threonine | 95.0 | 48.0 |
| L-Tryptophan | 16.0 | 10.0 |
| L-Tyrosine | 103.8 | 52.0 |
| L-Valine | 94.0 | 46.0 |
| L-Arginine | 84.0 | 126.0 |