

Comparison of Dulbecco's Modified Eagle Media (D-MEM), High Glucose (4,500 mg/L)

| WITH L-GLUTAMINE | Base Cat. Number | | | | | | | |
|--|--------------------|-------|-------|-------|-------|--------------------|-------|-------|
| | 11965 ^S | 11995 | 12430 | 21063 | 11971 | 12100 ^S | 12800 | |
| with Na ⁺ pyruvate (110 mg/L) | | ● | | | | | ● | |
| with HEPES buffer (25 mM) | | | ● | ● | | | | |
| without phenol red | | | | ● | | | | |
| without Na ⁺ phosphate | | | | | ● | | | |
| powder ¹ | | | | | | ● | ● | |
| WITHOUT L-GLUTAMINE | 11960 ^S | 10313 | 31053 | 21013 | 10564 | 10566 | 10569 | 21068 |
| with GlutaMAX™-I ² | | | | | ● | ● | ● | |
| with HEPES buffer (25 mM) | | | | | ● | | | |
| with Na ⁺ pyruvate (110 mg/L) | | ● | | | | | ● | |
| without phenol red | | | ● | | | | | |
| without CaCl ₂ | | | | | | | | ● |
| without cystine | | | | ● | | | | |
| without methionine | | | | ● | | | | |

^S Standard formulation, as published in Dulbecco, R., Freeman, G. (1959) *Virology* 8, 396. Smith, J.D., Freeman, G., Vogt, M., and Dulbecco, R. (1960) *Virology* 12, 185. Tissue Culture Standards Committee, *In Vitro* 6:2, 93.

¹ Powdered formulations do not contain sodium bicarbonate.

² GlutaMAX™-I supplement is L-alanyl-L-glutamine, a glutamine dipeptide, which can be used in the place of L-glutamine in culture media. It is substituted on an equimolar basis for L-glutamine.

Use this comparison table as a quick reference for identifying the base catalog number (**in bold**) of the product that's best for your application.