

Product sheet

DMEM, w: 4.5 g/L **Glucose**, w: 4 mM L-**Glutamine**, w: 3.7 g/L NaHCO₃, w: 1.0 mM **Insulin** **Transferrin** | 820300a

DMEM (Dulbecco's Modified Eagle Medium) **is a** **cell culture medium**, **used** **for** **growing** **cells** **in** **vitro**. **It** **contains** **essential** **amino** **acids**, **vitamins**, **minerals**, **and** **growth** **factors**. **DMEM** **is** **the** **most** **commonly** **used** **cell** **culture** **medium**.

Dulbecco's Modified Eagle Medium (DMEM) **is** **a** **cell culture medium**, **used** **for** **growing** **cells** **in** **vitro**. **It** **contains** **essential** **amino** **acids**, **vitamins**, **minerals**, **and** **growth** **factors**. **DMEM** **is** **the** **most** **commonly** **used** **cell** **culture** **medium**.

Composition

- **Glucose**

Storage

- **Store** **at** **+2°C** **to** **+8°C**, **protected** **from** **light**.
- **Stable** **for** **up** **to** **4°C** **for** **6-8** **months**.

Usage

- **Use** **for** **cell** **culture**.

Notes

- **DMEM** **is** **stable** **at** **+2°C** **to** **+8°C** **for** **up** **to** **6** **months**. **It** **is** **not** **stable** **at** **+37°C**, **and** **should** **be** **used** **immediately**.
- **DMEM** **is** **stable** **at** **-37°C** **for** **up** **to** **6** **months**.
- **DMEM** **is** **stable** **at** **-37°C** **for** **up** **to** **6** **months**.

Table

Component	Concentration	Weight (g/L)
Glucose	4.5 g/L	30.0
L-Glutamine	4 mM	84.0
L-Glutamine	2 mM	62.5
L-Glutamine	1 mM	584.0
L-Glutamine HCl	4 mM	42.0
L-Glutamine	1 mM	105.0
L-Glutamine	1 mM	105.0
L-Glutamine HCl	1 mM	146.0
L-Glutamine	1 mM	30.0

DMEM, w: 4.5 g/L $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 4 mM L- Asn , w: 3.7 g/L NaHCO_3 , w: 1.0 mM $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ | 820300a

	L- Asn	66.0
	L- Glu	42.0
	L- Leu	95.0
	L- Val	16.0
	L- $\text{Glu} \cdot 2\text{Na}$	103.79
	L- Glu	94.0
$\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$	$\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$	4.0
	D- Glu	4.0
	CaCl_2	4.0
	Ca^{++}	7.2
	Ca^{++}	4.0
	Ca^{++}	4.0
	Ca^{++} HCl	4.0
	Ca^{++}	0.4
	Ca^{++} HCl	4.0
	$\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$	265.0
$\text{Fe}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$	$\text{Fe}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$	0.10
	KCl	400.0
	$\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$	200.10
	NaCl	6400.0
	NaHCO_3	3700.0

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DMEM, w: 4.5 g/L ~~XXXXXXXXXX~~, w: 4 mM L-~~XXXXXXXXXX~~, w: 3.7 g/L
NaHCO₃, w: 1.0 mM ~~XXXXX XXXXXXXX~~ | 820300a

	NaH ₂ PO ₄ ·2H ₂ O	141.73
XXXXXXXX XXXXX	D- XXXXXXXX	4500.0
	XXX XXXX XX XXXX XXXX	15.90
	XXXXXXXX XXXX	110.0