

产品介绍

RPMI 1640培养基最初是为长期培养外周血淋巴细胞而开发的，后来被发现也适用于多种哺乳动物细胞包括：HeLa、Jurkat、MCF-7、PC12、PBMC、星形胶质细胞和癌细胞等细胞系，尤其适用于悬浮细胞的培养，是使用最为广泛的培养基之一。

RPMI 1640培养基与其它培养基的区别在于含有还原型谷胱甘肽和高浓度的维生素。RPMI 1640培养基含有EMEM和DMEM中没有的生物素、维生素B12和对氨基苯甲酸，以及高浓度的氯化胆碱和肌醇。

本产品含有：D-葡萄糖、酚红、L-谷氨酰胺。

不含有：丙酮酸钠、HEPES。

包装规格

500 mL

产品内容

产品组成	PM00032
RPMI 1640培养基	500 ml
说明书	1份

保存条件

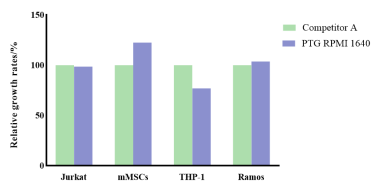
2-8℃避光保存，一年有效。

产品组分

Components	Molecular Weight	Concentration (mg/L)	mM
Amino Acids			
Glycine	75.0	10.0	0.13333334
L-Arginine	174.0	200.0	1.1494253
L-Asparagine	132.0	50.0	0.37878788
L-Aspartic acid	133.0	20.0	0.15037593
L-Cystine 2HCl	313.0	65.0	0.20766774
L-Glutamic Acid	147.0	20.0	0.13605443
L-Glutamine	146.0	300.0	2.0547945
L-Histidine	155.0	15.0	0.09677419
L-Hydroxyproline	131.0	20.0	0.15267175
L-Isoleucine	131.0	50.0	0.3816794
L-Leucine	131.0	50.0	0.3816794
L-Lysine hydrochloride	183.0	40.0	0.21857923
L-Methionine	149.0	15.0	0.10067114

L-Phenylalanine	165.0	15.0	0.09090909
L-Proline	115.0	20.0	0.17391305
L-Serine	105.0	30.0	0.2857143
L-Threonine	119.0	20.0	0.16806723
L-Tryptophan	204.0	5.0	0.024509804
L-Tyrosine disodium salt dihydrate	261.0	29.0	0.11111111
L-Valine	117.0	20.0	0.17094018
Vitamins			
Biotin	244.0	0.2	8.1967213E-4
Choline chloride	140.0	3.0	0.021428572
D-Calcium pantothenate	477.0	0.25	5.24109E-4
Folic Acid	441.0	1.0	0.0022675737
Niacinamide	122.0	1.0	0.008196721
Para-Aminobenzoic Acid	137.0	1.0	0.00729927
Pyridoxine hydrochloride	206.0	1.0	0.004854369
Riboflavin	376.0	0.2	5.319149E-4
Thiamine hydrochloride	337.0	1.0	0.002967359
Vitamin B12	1355.0	0.005	3.690037E-6
i-Inositol	180.0	35.0	0.19444445
Inorganic Salt			
Calcium nitrate (Ca(NO ₃) ₂ 4H ₂ O)	236.0	100.0	0.42372882
Magnesium Sulfate (MgSO ₄) (anhyd.)	120.0	48.84	0.407
Potassium Chloride (KCl)	75.0	400.0	5.3333335
Sodium Chloride (NaCl)	58.0	6000.0	103.44827
Sodium Phosphate dibasic (Na ₂ HPO ₄ ·7H ₂ O)	268.0	800.0	2.9850745
Sodium Bicarbonate (NaHCO ₃)	84.0	2000.0	23.8
Other Components			
D-Glucose (Dextrose)	180.0	2000.0	11.111111
Glutathione (reduced)	307.0	1.0	0.0032573289
Phenol Red	376.4	5.0	0.013283741

Validation Data



上述实验结果为不同种类细胞，以相同起始密度接种于Proteintech RPMI 1640培养基及对照RPMI 1640培养基配制成全培养基中培养，培养后计数所得相对增长率。

For technical support and original validation data for this product please contact

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.