

CMRL-1066 Medium

Description

The CMRL is a nucleosid- and vitamin-rich medium. In the past it was developed to clone monkey-kidney cells and as long time culture medium for L-cells. It is suitable for many types of human and monkey cells and also for other mammalian cells, especially by using horse and calf serum.

Liquid Media

CMRL – 1066⁽¹⁾
without L-Glutamine
without Phenol red
with 2.2 g/L NaHCO₃ 500 ml P04-84600

Special Media

CMRL – 1066⁽²⁾
with L-Glutamine
without Phenol red
with 2.2 g/L NaHCO₃ 500 ml P04-84500

Composition

	Components	mg/L	
Inorganic Salts	Calcium chloride x 2H ₂ O	264.92	
	Potassium chloride	400.00	
	Magnesium sulfate dried	139.55	
	Sodium acetate anhydrous	50.00	
	Sodium chloride	6,799.00	
	di-Sodium hydrogen phosphate x H ₂ O	139.75	
Other Components	Cholesterol	0.20	
	D(+)-Glucose anhydrous	1,000.00	
	Glutathione (red.)	10.00	
	Sodium glucuronate x H ₂ O	4.00	
	Tween 80	5.00	
Coenzyme	Coccarboxylase x HCl	1.00	
	Coenzyme A Trilithiumsalt x 2H ₂ O	2.60	
	NAD	7.00	
	NADP sodium salt	1.00	
	UTP	1.00	
Amino acids	L-Alanine	25.00	
	L-Arginine x HCl	70.00	
	L-Aspartic acid	30.00	
	L-Cysteine x HCl x H ₂ O	260.00	
	L-Cystine	20.00	
	L-Glutamine	100.00	
	L-Glutamic acid	75.00	
	Glycine	50.00	
	L-Histidine x HCl x H ₂ O	20.00	
	L-Hydroxyproline	10.00	
	L-Isoleucine	20.00	
	L-Leucine	60.00	
	L-Lysine x HCl	70.00	
	L-Methionine	15.00	
	L-Phenylalanine	25.00	
	L-Proline	40.00	
	L-Serine	25.00	
	L-Threonine	30.00	
	L-Tryptophan	10.00	
L-Tyrosine	40.00		
L-Valine	25.00		
Vitamins	L-Ascorbic acid	50.00	
	D(+)-Biotin	0.10	
	D-Calcium pantothenate	1.00	
	Choline chloride	1.00	
	Folic acid	1.00	
	myo-Inositol	2.00	
	Nicotinamide	1.00	
	Pyridoxal x HCl	1.00	
	Riboflavin	0.10	
	Thiamine x HCl	1.00	
	Vitamine B12	1.33	
	Deoxyribonucleosides	2'-Deoxyadenosine x H ₂ O	10.00
		2'-Deoxycytidine x HCl	11.00
2'-Deoxyguanosine		10.00	
2'-Deoxythymidine		10.00	

(1) usually on stock, (2) minimum order 10 l, (3) available on request