



Jul 27, 2019

Make potassium orthophosphate solution V.6

Gurdon Institute media kitchen¹¹Wellcome Trust / Cancer Research UK Gurdon Institute

1

Works for me

dx.doi.org/10.17504/protocols.io.5xhg7j6



Cristian Riccio

University of Cambridge



MATERIALS

NAME ▾

CATALOG # ▾

VENDOR ▾

Potassium Dihydrogen Orthophosphate Certified AR for Analysis Fisher Chemical

P/4800/53

Fisher Scientific

1 ☐ potorthosphates1or2L.xls

2

Solution	Potassium Orthophosphates				
Strength	0.17M & 0.72	pH:		Batch size	1.2L
Date of preparation					
Ingredients	Quantity	Added (tick)	Manufacturer	/Batch No.	
KH ₂ PO ₄ (potassium dihydrogen orthophosphate)	27.7g				
K ₂ HPO ₄ (dipotassium hydrogen orthophosphate)	150.5g				
Double distilled H ₂ O	up to 1.2L				

3

Solution	Potassium Orthophosphates				
Strength	0.17M & 0.72	pH:		Batch size	1.2L

Ingredients			Quantity		
KH ₂ PO ₄ (potassium dihydrogen orthophosphate)		27.7g			
K ₂ HPO ₄ (dipotassium hydrogen orthophosphate)		150.5g			
Double distilled H ₂ O		up to 1.2L			
Method					
1	Using a 2L measuring cylinder add 500ml of double distilled H ₂ O.				
2	Dissolve solutes and make up to final volume with double distilled H ₂ O				
3	Dispense into 12 x 100ml bottles.				
4	Label, date and autoclave.				



This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited