CsCl Step Gradient Buffer

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Abstract

This mixture is used in the CsCl Step Gradient to Purify Phage Protocol

Citation: Jonathan King CsCl Step Gradient Buffer. **protocols.io**
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Guidelines

Grams of CsCl to be added to Buffer

p	M	25 mls	50 mls	75 mls	100 mls	200 mls
1.3	2.4	10.10	20.20	30.31	40.41	80.82
1.4	3.2	13.47	26.94	44.16	53.86	107.76
1.45	3.6		30.24		60.48	
1.5	4	16.87	33.74	50.61	67.48	
1.55	4.4	18.48	36.96		73.92	
1.6	4.8	20.2	40.40			
1.65	5.2	21.89	43.78		87.55	
1.7	5.6	23.57	47.15	70.7	94.29	

Protocol

Step 1.

Weigh out the CsCl
M = 8 (p25-1) MW = 168.37

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Step 2.
Add a little Mg2+ (high in Mg2+) buffer with stir bar.

Step 3.
Add CsCl slowly until all the CsCl is dissolved

Step 4.
Bring up the volume, rinse the stir bar.

Step 5.
Add 50 mM Tris pH 7.6

Step 6.
Add 100 mM $MgCl_2$