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Chromatin Immunoprecipitation Lysis Buffer Sets

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Guidelines

Ingredients stocks can be batch made and sterilize by filtering through 0.22 μm filter. Lysis buffer sets are recommended to make freshly. If you are doing ChIP routinely, you can also batch make lysis buffer sets, filter through 0.22 μm filter and store @ 4 °C, protecting from light (sodium deoxycholate is light sensitive). Just remember, add protease inhibitors just before using.



Lysis Buffer I

1	Lysis Buffer 1	Final	Stock	5ml	10ml	20ml	50m	100ml
	HEPES-NaOH,PH 7.9	50mM	1M	0.25	0.5	1	2.5	5
	NaCl	140mM	5M	0.14	0.28	0.56	1.4	2.8
	EDTA	1mM	500mM	0.01	0.02	0.04	0.1	0.2
	Glycerol	10%	50%	1	2	4	10	20
	NP-40	0.50%	10%	0.25	0.5	1	2.5	5
	TritonX-100	0.25%	10%	0.125	0.25	0.5	1.25	2.5
	ddH2O			3.225	6.45	12.9	32.25	64.5

Mix ingredients as indicated and add protease inhibitors just before using.

Lysis Buffer II

2	Lysis Buffer 2	Final	Stock	5ml	10ml	20ml	50m	100ml
	Tris-HCl,PH8.0	10mM	1M	0.05	0.1	0.2	0.5	1
	NaCl	200mM	5M	0.2	0.4	0.8	2	4
	EDTA	1.5mM	0.5M	0.015	0.03	0.06	0.15	0.3
	ddH2O			4.735	9.47	18.94	47.35	94.7

Mix ingredients as indicated and add protease inhibitors just before using.

Lysis Buffer III

3	Lysis Buffer 3	Final	Stock	5ml	10ml	20ml	50m
	Tris-HCl,PH8.0	10mM	1M	0.05	0.1	0.2	0.5
	NaCl	100mM	5M	0.1	0.2	0.4	1
	EDTA	1.5mM	0.5M	0.015	0.03	0.06	0.15
	Na-Deoxycholate	0.10%	5%	0.1	0.2	0.4	1
	Na-Lauroylsarcosine	0.50%	25%	0.1	0.2	0.4	1



ddH ₂ O			4.635	9.27	18.54	46.35
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Mix ingredients as indicated and add protease inhibitors just before using.