WEB272

Versuchsplanung SOMT refolding screen

Factors

- Arginine

Redox system

- pH

Cyclodextrin SAH

 divalent cation (Mg²⁺, Ca²⁺) ionic strength (NaCl, KCl)

- temperature

erin

-	g	yce	rir

		Set	Unit					
Faktor/Parameter	Symbol	-1	+1	-				
pH	Α	5.5	9.5					
Arginine	В	0	0.5	М				
Glycerin	С	0	10	%				
div. Cation	D	1 mM EDTA	2 mM CaCl ₂ , MgCl ₂	mM				
Ionic strength (NaCl/KCl, each)	E	LOW (10 mM NaCl, 0.5 mM KCl)	High (250 mM NaCl, 10 mM KCl)	mM				
Redox	F	5 mM DTT	1 mM GSH/ 0.2 mM GSSG	mM				
Cyclodex	G	0	0.03	M				
SAH	Н	0	0.5	mM				
Buffer	-	50 mM Mes / Borate						
Temperature	-	- 22°C (RT)						
Time	-	4h						
	-							

Az 210.67 Mes 195.24 My (12 ×6+120 203.31

Stocks to prepare:

0.1 M Mes pH 5.5

[A1B1] \(\square\) [A1B2]

- 0.1 M Borate pH 9.5 - 0.1 M Borate, 1 M Arginine pH 9.5 [A2B1] / [A2B2]

10.53 g ty / 0.376 hes 10.53 g ty / 0.303 g posane 10.13 g ty / 0.303 g posane 10.13 g ty / 0.303 g posane 10.13 g ty / 0.303 g posane

- 200 mM MgCl₂, 200 mM CaCl₂ 0.5 M EDTA

- 0.1 M Mes, 1 M Arginine pH 5.5

[C1] / -> [C2] 🗸

- 2.5 M NaCl, 100 mM KCl

[D1] V [D2] V

1M DTT

[E1] V

- 50 mM GSH, 10 mM GSSG

0.1 M NaCl, 5 mM KCl

[E2]

100 pl SoH , 20 pl SUG , 80 pl 1/20

- 5 mM SAH

[F1]

Glycerin

[G] 🗸

- 120 mM a-Cyclodex

[H] 🗸

Picc

Buffers to prepare:

No.	Buffer (1 mL each)	Add: (µl	Add: (μΙ)												
140.		A1B1	A1B2	A2B1	A2B2	C1	C2	D1	D2	E1	E2	F	G	н	H ₂ O
1	pH 9.5 0.5 M Arg 10% Glycerin low ionic EDTA DTT SAH	-	-	-	500	-	2	-	10	5	-	100	100	-	283
2	pH 5.5 low ionic EDTA DTT	500 _	<i>,</i> -	-	-	-	2 /	-	10	5_	-	-	-	-	483
3	pH 9.5 10% Glycerin Low ionic MgCa GSH:GSSG CycloDex	-		500	-	10	-	-	10	-	20	-	100	/250	110
4	pH 5.5 0.5 M Arg 10% Glycerin High ionic EDTA GSH:GSSG Cyclodex	-	500	-	-	-	2 _	10	-	-	20	-	100	250	118
5	pH 9.5 0.5 M Arg High ionic EDTA GSH:GSSG	-	-	-	500	-	2 _	10	-	-	20	-	-	-	468
6	pH 5.5 0.5 M Arg High ionic MgCa DTT Cyclodex SAH	-	500			10	-	10	-	5	-	100	-	250	125
7	pH 9.5 0.5 M Arg MgCa DTT Cyclodex	-	-	-	500	10	-	-	10_	5	-	-	-	250	225
8	pH 5.5 10% Glycerin High ionic EDTA DTT Cyclodex SAH	500	-	-		-	2	10	-	5_	-	100	100	250	33

.—	9	pH 9.5 10% Glycerin High Ionic MgCa DTT	-	-	500	-	10	-	10	-	5	-	-	100		375	/
+	10	pH 5.5 EDTA GSH:GSSG Cyclodex SAH	500	-	-	-	-	2_	-	10	-	20	100	-	250	118	/
_	11	pH 9.5 High ionic MgCa GSH:GSSG SAH	-		500		10	-	10	-	-	20	100	-	-	360 V	,
_	12	pH 5.5 0.5 M Arg 10% Glycerin MgCa GSH:GSSG SAH	-	500	-	-	10	-	-	10		20	100	100	-	260	/

t heavy pre 6 mediu prec Ame + 50pl Ayhel 50mg

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-> 100 fil algeronne + 20 fil VC/ - hidrádys fellet elisted (g) recovery (ay) tara (g) 1.152 1.706 1.151 2 1,191 10147 3 1.184 1,148 1.133 1.15 1.188 5 1,148 1.193 1,195 1.157 1.181 1.145 8 9 1,173 1, 133 1.142 10 1.180 1.147 1.183

1.204

×

1,745