



β -D- (BDG)



ELK Biotechnology



	BDG	96	
BDG	BDG	BDG	
BDG	BDG		*

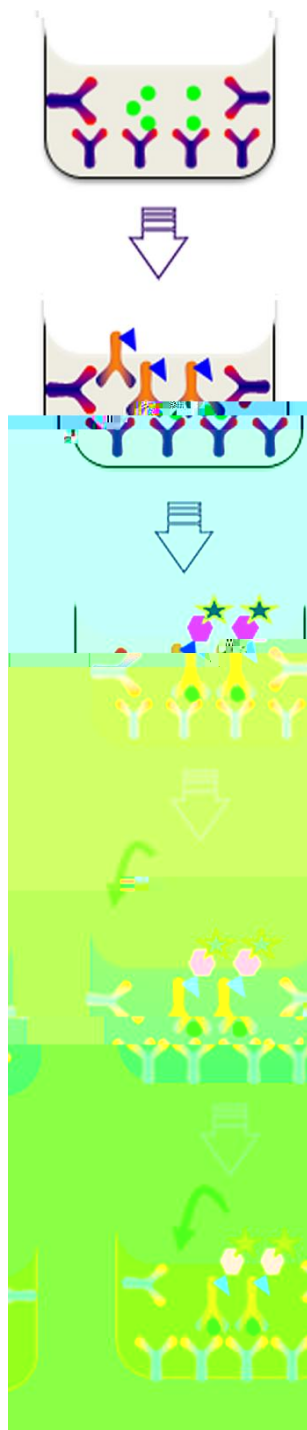


1. 2 4°C 1000×g 20
-20°C -80°C
2. 30 2-8°C 1000×g 15
EDTA-Na₂ -20°C -80°C
3. PBS 0.01M pH7.0-7.2
PBS 1:9
PBS 1%
2
5000×g 5-10
BC016 BCA
4. 1000×g 20
-20°C -80°C
5. 24 2000×g 15
-20°C
6. 2-8°C, 1000×g 15
-20°C
7. 1000×g 20
- 1.
2. 1 4°C
-20°C 1 -80°C 3-6



1. 50 5 μ L 245 μ L & 50
2. 100 5 μ L 495 μ L & 100
3. 1000 5 μ L 95 μ L & 20 5 μ L
20 245 μ L & 50 1000
4. 100000 5 μ L 195 μ L & 40
5 μ L 40 245 μ L & 50 5 μ L 2000
245 μ L & 50 100000
5. 3 μ L 100
6. PBS &

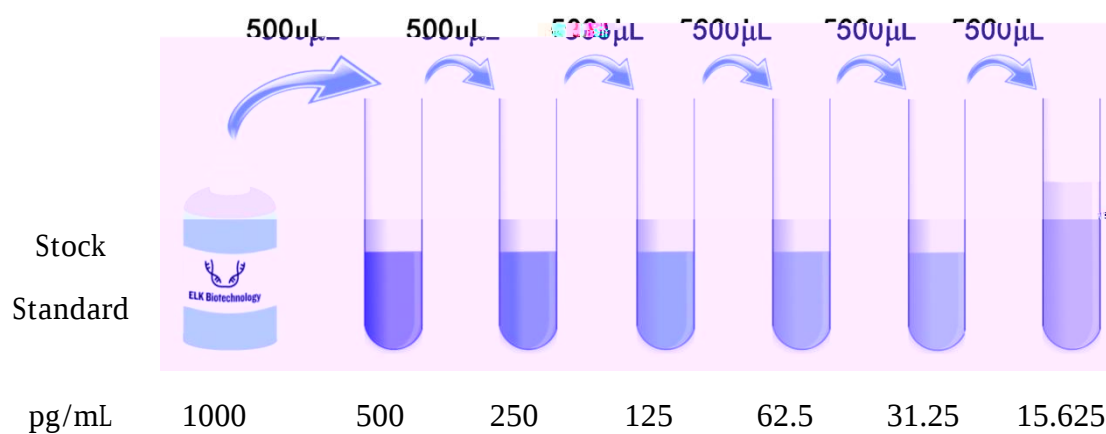
1. / (Original solution)
- 2.



1.) 25 μ L, 37°C 80 25 μ L (
2. 100 μ L 200 μ L 37°C 50 3
3. 100 μ L HRP 200 μ L 37°C 50 3
4. 90 μ L TMB, 37°C 200 μ L 20 min 5
5. 50 μ L 450 nm



1. 30
2. 25× 1× 4°C
3. & 1.0 mL 10
1000 pg/mL 1000 pg/mL 500 pg/mL
250 pg/mL 125 pg/mL 62.5 pg/mL 31.25 pg/mL 15.625 pg/mL 0 pg/mL
15



4. 100 µL/ 100-200 µL 15 1 µL 99 µL 1:100
5. 100 µL/ 100-200 µL
µL 15 HRP 1:100
1 µL 99 µL
6. TMB —



- 1.
2.

1000×g	1		4-5
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3.

	40℃	
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4.

	10	
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- 5.
6.

TMB		TMB
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- 7.
- 8.
- 9.
- 10.

- 1.
- 2.
- 3.



- 1.
2. 25 μ L
- 37°C 80
3. 3 200 μ L 1-2
4. 100 μ L 15 37°C 50
5. 3 200 μ L 1-2
6. 100 μ L 15 37°C 50
7. 5 200 μ L 1-2
8. TMB 90 μ L 37°C 20
- 30
9. 50 μ L
10. 450 nm OD



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●

() : CV% < 8%
1 20
() : CV% < 10%
3 40

●

BDG

(n=5)	90-101%	96%
EDTA (n=5)	90-108%	99%
heparin (n=5)	92-100%	96%

●

BDG 2 4 8 16

	1:2	1:4	1:8	1:16
(n=5)	82-113%	93-103%	85-90%	89-115%
EDTA (n=5)	94-119%	86-114%	87-120%	81-107%
heparin (n=5)	81-98%	92-104%	94-114%	90-117%



/

	Avidin-HRP	
		TMB 450nm 650nm

‘ ∫ m



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		15-30min
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		PH
	,	(
	NaN ₃ ,	NaN ₃
		,
,		TMB 450nm , 650nm



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		6min
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1. , ,
 . , ,
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2. ,
- 3.
- 4.
5. ELK Biotechnology
6. 6

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