A(FPA)

serum, plasma, cell lysates, cell culture supernates and other biological fluids

. ng/mL

. - ng/mL

FPA

O	O			Ḡ
		T	T	
	Pre-coated Microplate			C/- C
‰ ج	Standard (lyophilized)			C/- C
‰ ج & ج	Standard/Sample Diluent Buffer	mL	mL	C/- C
	Biotinylated-Conjugate ( )	µL	µL	C/- C
	Biotinylated Conjugate Diluent	mL	mL	C/- C
HRP 100	Streptavidin-HRP ( )	µL	µL	C/- C
	HRP Diluent	mL	mL	C/- C
25	Wash Buffer ( )	mL	mL	C/- C
TMB	TMB Substrate Solution	mL	mL	C/- C(
	Stop reagent	mL	mL	C/- C
	Plate Covers			
ج	Instruction manual			

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HRP ضي- c Ḡ ỉ ╕ c Ḡ ضي ṗ

* ╕ c ṗ - c ṗ

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2. ╕ ↿ ˳

3. غ ῶ غ غ TMB

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ٹ ١ . FPA´ ᒪ ﻫ ´ FPA

ш ४ ~ ‰ ج ΐ U ४ ~ -HRP U

TMB TMB ضي . Ỳ . ضي .

غ ج FPA Ь ً ضي nm ₽ ۟ (OD ٧) ج

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ṗ - °C - °C Ḡ ᾧ ĭ "

. ض ჯ U № ṗ - C g № ŭ ᵻ o ᖷ

EDTA-Na ᾧ ჯ - C - C Ḡ ᾧ ĭ "

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1. 50 Ồ ŭ 5 µL ⌠ 245 µL ‰ ج & ṗ 50 Ồ
2. 100 Ồ ŭ 5 µL ⌠ 495 µL ‰ ج & ṗ 100 Ồ
3. 1000 Ồ ŭ 5 µL ⌠ 95 µL ‰ ج & ṗ 20 Ồ Ṭ P ŭ 5 µL 20 Ồ ⌠ 245 µL ‰ ج & ṗ 50 Ồ ¨ 1000 Ồ
4. 100000 Ồ ŭ 5 µL ⌠ 195 µL ‰ ج & ṗ 40 Ồ Ṭ P ŭ 5 µL 40 Ồ ⌠ 245 µL ‰ ج & ṗ Ạ 50 Ồ U ŭ 5 µL 2000 Ồ ⌠ 245 µL ‰ ج & ṗ Ạ 50 Ồ ¨ 100000 Ồ

. ŭ 3 µL Ồ 100 Ồ ŭ ضي ~

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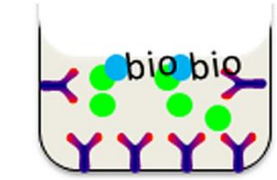
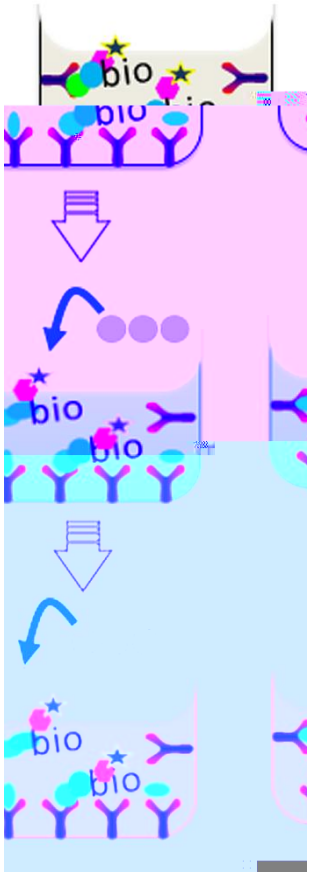
. Ồ ’ ~ ۣ PBS U ╕ ‰ ج &



. U ∀ ~ ‰ ϶ µL ϶ µL U ∢ ∀ ~
µL ˜ C min



. ˇ ∀ ~ µL Ⅱ U
∀ ~ µL HRP C №

. ˇ ṗ ∀ ~ µL Ⅱ U
∀ ~ µL TMB, C №

. ∀ ~ µL nm ∢

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. ‰ ج ∛ ˜ ‰ ج ج . mL ‟ ‰ ج №

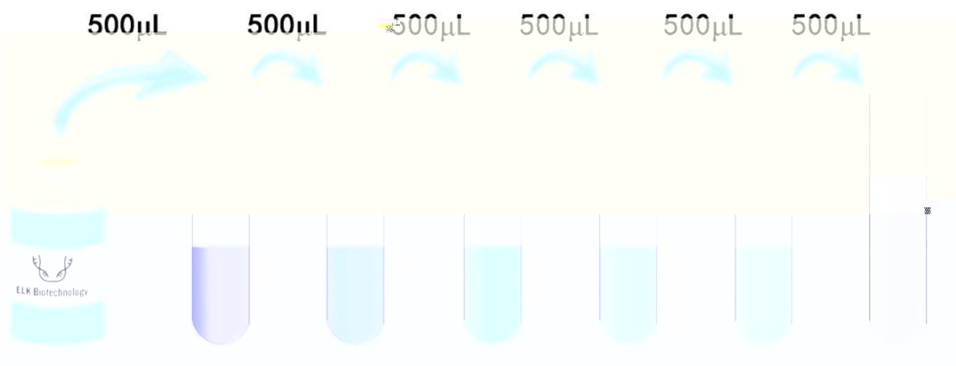
ȉ ˜ḤNº U ˜ ng/mL U Ồ ng/mL ng/mL

ng/mL . ng/mL . ng/mL . ng/mL . ng/mL ‰ ج ng/mL

‰ ج ‰ ج ﺿﻲ № ṗ ∛

Stock

Standard



ng/mL . . . .

. ᵥᵢᵢ (x) ╠ ╠ ᵥᵢᵢ ╠ ῷ

└(µL) L L . - . mL µL

ᵥᵢᵢ ∛ µL ᵥᵢᵢ ɒ L ˜ ﺿﻲ ╠ ṗ L

. - . ᵥᵢᵢ (x) ╠ ╠ ᵥᵢᵢ

╠ ῷ └(µL) L L . - .

mL µL ᵥᵢᵢ ∛ µL ᵥᵢᵢ ɒ L ˜ ﺿﻲ ╠ ṗ

L

. TMB —— ﻛﻲ ₽ ữ ╕ Ҏ ṕ ﬠ ╕

. ╕ ╠ № ~ U ‰ ج

. ⋯ ⋯ ˆ № ض ╚ ╠

g № ⌠ ŭ ╠ ﺝ O -

~ ‰ ج ⋯ ⋯

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U ˈP ४ C

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. ╕ TMB ض Ũ غ ۊ ۊ ۊ TMB

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1. ╠ غ └ ╕ ╠ ˜Ḥ№ ⋯ ╕

2. ˆ ج ╠ ج

3. ╠ ४ ض ‰ ﺥ ṗ ὶ ج

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~ ۋ ج ج ج ... ┐

مخ

. ٧ №≠ ‰ ٧ ‰ ج µL ٧

٧ ï ٧ ... (x) µL ¬ ~

٧ C

. Ḡ ‰ ج

. U ˇ ṗ ٧ (x) µL - №

. ٧ -HRP(x) µL ¬ ~ ٧ C

. ˇ ṗ ٧ (x) µL - №

. ш ٧ TMB ┐ µL C ۋ № ’

˜ №

. ш ٧ µL ï ٧ ~

٧ ~ Ḡ ‰ ï ⌡ U ٧ ~

. ض nm ш ╚ ۋ (OD ٧) ض ٧ U № ṗ

. * ج˜ №

curve expert

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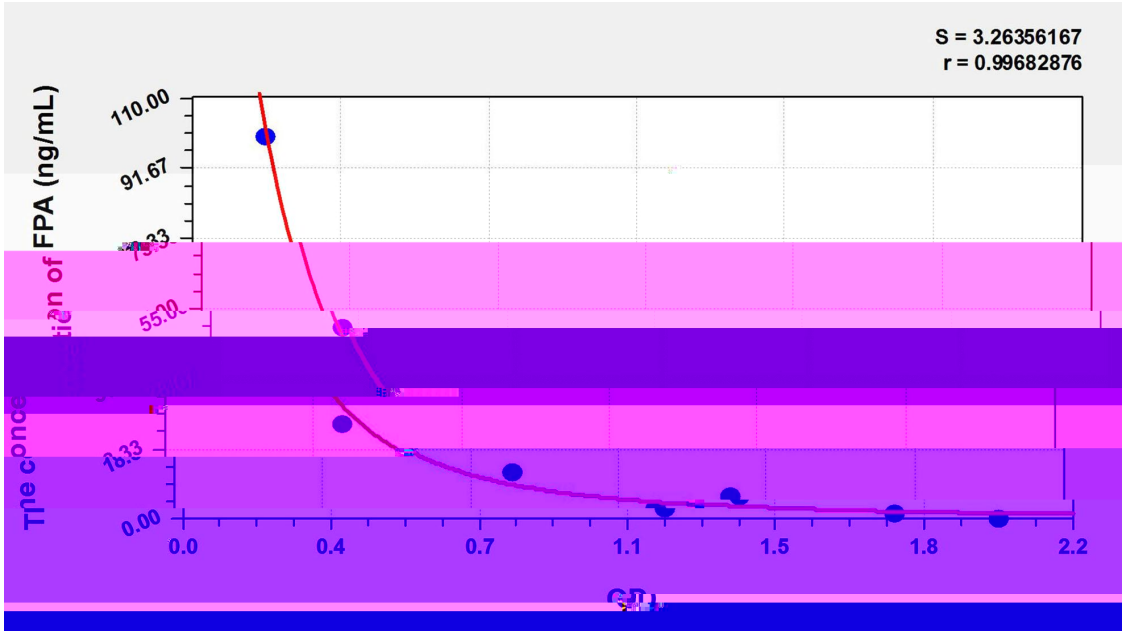

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ṗ (ṗ) : CV

ج №≠ ضي 1 № ṗ

( ) : CV

ج №≠ ضي 3 □ №

- عجـ

№≠ □ ٧ FPA Ạ عجـ ∓ عجـ مخ غ عجـشخ

قمم	عجـ مخ	عجـشخ
(n)	-	
EDTA (n)	-	
heparin (n)	-	

-

٧ FPA №≠ 2 Ò 4 Ò 8 Ò 16 Ò Ạ عجـ ∓ عجـ مخ

قمم	:	:	:	:
(n)	-	-	-	-
EDTA (n)	-	-	-	-
heparin (n)	-	-	-	-

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U , ɯɨ ;	Ü ˜ ₰ Ì ╕	╠ ╕ № ï ˜ , №ɯɨ ╕ . ▯ ╕ ▯ ˜
	˜Ḥ№	Ḡ ₰ ˜ . U , Ẓ ʌ ضي ₽ , Ⅱ .
	₽ ï ╕ ƈ	₽ ǔ ▯ ╕ ₽ , ▯ ╕ № , ▯ Ũ ƈ , ƈ
	Avidin-HRP	ʡ U 'P
	ضي ╠ ѽ	₰ ˜ ╠ , ѽ Ḡ
	ǔ ₽ ѽ ṿ ѽ	TMB ضي 450nm ǔ ₽ ѽ ṿ , 650nm

	˜ ʌ ɲɟ	Ï
U , ɯɨ ;	№ ╕	L
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		30min
		15-30min
		PH
		( )
		TMB 450nm 650nm

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	№	ضي № 10 № ,
	U	, U ضي
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