

Toll-free, 2(TLR2) f, ... t ‡
 (^ %Š < LumineX (E • Ž • • ')
 ' " " • _ _ ~
 ™ " Š > œ

• ž, Ÿ | ™ " € £ " ¤ ¥ | § " !

©^a «

[_ - ® "]

~ ... t ‡ ° " ±², • • ' ³ ´ „ ³ — ~ μ ¶ · μ ˙ · ¹ º » ¼ ½ ¾ ¿ À · ¼ ½ Á Â Ã Ä Å Æ Ç È " • Å
 , É TLR2 Ê Ë Ì

[... t ‡ } {]

... t ‡ {	Đ´	... t ‡ }	Đ´
96ÑÒÓÔÕÖ×	1	96ÑÒØÙ	4
ÚÛÜ	2	ÚÛÜÝÞÀ	1B 20mL
^ à	1	á â ã ä Å	1B 20mL
f, å Å	1B 120æL	f, Ý Þ À	1B 12mL
f, å Å BÓPE-SA×	1B 120æL	f, Ý Þ À B	1B 12mL
ç À	1B 10mL	è é ê Æ Ó 30B x	1B 20mL
™ " Š > œ	1		

[è ì í î ï ï ð ... t]

- LumineX MAGPIX Æ LumineX 1000 Æ LumineX 2000 Æ Bio-Rad ñ, Bio-Plex ñ á â ó Ô Õ Ö Ö ™ " ÷ ø ÷ ù, ú û ü ÿ ý þ Û ×
- Æ ÿ Ä ý Š ´ À ö ö
- Ý Þ € Ü î EP .
- Ä Ž
- ^
- é À î í ö
- 0.01mol / L Ó Ä 1B x å ä (PBS) Æ pH=7.0-7.2
- ö
- Ú Ò ö

[... t ‡ { ð -]

1. î ...†‡- ...† ...†! Ú" Ã # \$ É%&' ¢() ...†‡*%+, - ÚÛÜ· f„ åÄA
· f„ åÄB. ð%ñò\$ ¢-20/¢¢ÅÖ...†%1 ¢4/¢\$ í " È
2. ™" *î ...†‡- 2Ö...†3ë 4...†! Ú" #î 56\$ È
&' -
...†‡! Ú789: ¢ ; <ë=8á >™" ?™" *î 2Ö...†‡ôõ@A>; <*1BCÌ ™" DEËF
ÜG- HI . ‡ŽĀî Ú" J Ū¢\$K- Ì 1 áLM\$NO³ î È

[Ú- î PQR\$ _]

1 ° » , - £STUî 1 ° V í » , î W' X £S
1xY' ´ 1 ° Z ¢@-[PBSÓÖ.01mol/L¢ pH=7.0-7.2xÉ¶é \µÀ¢» , ÷] İ ^ È
2x - 1 ° _` -Z ¢ » î a 1@bĀî c de¾¿ ä äÀ(f gIS007¢@hi j Úk Ōî l ¼½³ mn
oESTUî ä äÀ)î pq KöÉÓŠ-î 1 ° rst uxÉÓK´ , vw=1:20-1:50¢xt - 1mL¾¿ ä
äÄÉya20-50mg¹ ° €- È x
3x - z) î { | Ā} G~· €· , f¶È
4x - V í ūî » , Ä10,000B g · 5á „ ¢...†‡¢Ā¶^ 8" ¢f„ Ä1 ¢-20/¢%\$ È
¼½¾¿ Ä- @á â ...<Š ÷ ¢¼½ë< " . %W' €· -
1x(€· ¼½®Ž" [PBS· · ¶é ¢· * " ' k Ō ' " ¢ ¢1,000B g · 5á „ * (QÉ Ó{ " ¼½8·
G · --- (Qx È
2x - (Q) î ¼½" [PBSé3>?
3x - ¼½" de¾¿ ä äÀ ^ { , ~ 6J 107B ¼½/™š ¢t > ès ¢¼½8. œ· ~· ž €· , åÄf¶È
4x - Ú- ¢2-8/¢ 1,500B g · 10á „ ¢...†‡¢Ā¶^ 8" ¢f„ Ä1 ¢-20/¢%\$ È
¼½ÄĀĀ¶ĀĀÆ" · Ú- - %1,000B g · 20á „ ¢YĀ¶^ 8f„ ¢Ä- Ā¶ 1 ¢-20/¢Ä-80/¢\$ ¢
ÿ ; ¢£ ¢È
&' -
1. . ĀÚ- ë~ \$ ¢4/¢\$ - ¢1¥¢-20/¢£ ~ G1BC¢-80/¢£ ~ G2BCÈ
2. Ú- | šåµX" ©ª *f„ « > ¢· uåµÚ- £-œ· u- f„ È
3. Ú- ™" ÷ ®ã® - , ° 5¢£®yù™š ¢¿ È
4. ± ¢² ´ f„ Ði ¢³ ´ µ¶™" µ¶· £Nµ , J €- œ· f„ È

[Lumi nex200 á â ó]

- 1. á â , v - 50uL?
- 2. Š< T U- ^ à MagPl ex;
- 3. 1 ^ à ´ - 50° /» ;
- 4. MFI ¼ - Medi an.

[...† Ūí]

1. ™" ÷ - î ...†ýÚ- ä® - , ° 5Ó18-25/¢x¢t > Ž...†‡@ª ½HI Ì £¾™" ¢%· Y! -
>...< ëî Ú7ý...†¢ú- 2Öî Ú7ð...† ¿³ 7Å\$ È
2. ÚÛÜ(£ÁÜ)- Ā! ÚÛÜyaÚÛÜÝÞÀÖ.5mL¢Āü * ° 5Ä1² Ä10á „ ¢SH· · ÆÇÓŸ È
É x ¢Āè 6J 20.0ng/mLÈ Ūí 7BÝÞÚÛÜî EP ¢ĀBEP Éya 300ÈLî ÚÛÜÝÞÀ¢t È #h
> Ì wÝÞ` 20.0ng/mL, 5.0ng/mL, 1.25ng/mL, 0.31ng/mL, 0.08ng/mL, 0.02ng/mL, 0.0ng/mL¢ÚÛÜÝÞ
À(0ng/mL)- —, J ŌŌÑÈJ \$Í ; <« > %¢Ā>; <%™" dî ÚÛÜåÄÈ

item	1	2	3	4	5	6	7	Tube
TLR2	20.0	5.0	1.25	0.31	0.08	0.02	0	ng/mL

- Detection A ÷ Detection B @™ ÷ %™ İ Đ%ÄÑÒ • €• ¢.™ ÓÔ@
• Ä! Äî Ä, †v) ÖË¥" ÷ áÖ. f„ ÝPÄÄÄB 1:100ÝP(t – 10ÉLf„ áÄ/990ÉLf„ ÝP
ÄA)¢×áØ» ¢ÝP÷Üi Ñ] ÚÜüî Ä>; < èî 1´ ÜV(100ÉL/Ñ)¢; ÝÜVH® ÜV0.1-0.
2mLË
- èéèÄ– 580mL Ä Ž ya20mLéèÄÓ30B×ÝP, 600mL, P„ Àè6Ë
&' –
1. ÚÜÜî ÝPE¾– —@ÒÉœ• Ë
2. ÚÜÜ%¤¥" ÷15á„ İ ÜVÈŽÚÜÜB¾™" a >Ë
3. ÚÜÜ. f„ áÄAP„ Ä. f„ áÄBP„ Ä%™" Ç®î ÝPÄÜV¢ÝPÄ£¾Ø" È" Äà•• áâ
×áØ» ¢Ý ÈÉËJ\$Í; <«> î ÛM%%™" Š´ ¢úpÜŠ´ ÄöË%hi èî ´āMÜ
V¢+´£s™" Š´ ÜVî W' Ót Yf„ áÄAH¢a >£s—¤10ÉL×¢. Ý ä` è6ääË
- %Ç ^ ¢™" è} ÝPGî ÚÜÜ. f„ áÄAP„ Äýf„ áÄBP„ ÄË
5. éèÄÓ30x×Ét «éâ| ¢%] 5ê, ° 5¢•• Ø» ¢,) «éDèâ¿i œ• ÜVÈ
6. ...†‡Éí á...†J Ä¢î î èÜ1` P„ Ä*™" ¢@Ü1GðÉ8¾• Jñò K´æÄ Kóô¢
· ð; <É "ðö÷ò6æ¢ä` ; <«> £ÜM¢ø, DèùääË%™" ± Ü1Ë

[Ú´ €•]

- úüBü...†‡ ýpý¢£ü•™" Ž...†‡ ä` î €´ öpý¢%™"™" ÷×á) €´ î
8¾™"´ ¢– × î €´ Ë
2. ; <÷®) Ñ„ €´ È „ è6Ë è6£@ÚÜ î ÌH¢" ì M³ Ä³; <íª €ÜÝ
PÌ ÐËt> €ÜÉ „ è6G ÄG ¢%ü€´ ü' î ÝPÄè È€´ ÝPè" PBSÈ
3. f€´ E È@š> œ €´ ŠÉ¢òðœ• Ñ; <<íÄ %¢ú&' €´ Ë
4.™" "¾¿ÄVí î 1°»„ Ä¼½øYÄ8¾X¤" •Kî a ; <«> æË
5. €´ J¼½ÄÄÄ¶¢• JŽT€´ Á • ¢t–¼½! "·¼½Đ´· P€HI #¢ . 8¾ @
f„ E| î \$%Ë
6. &•kÖÄ^¹kÖ¢´ () ð*) ^¹kÖ¢8¾• JR⁻ FÜ™" î f„², ð+,², £- Ü
¢. EÖf„ | È
7. ðö™" de€´ ¢\$ HI G. 8¾X• kÖ/¿ÄO%„ ; <«> æË

[1, 23]

- ; <Òî ÄÑÌ ya200uláääääÄ" . –4¢ 5*@ ÚÒ öÄ° 56 10á„ ¢Š*î ÄÑÌ
Ä, ¢^ 8" ¤y€1„ È
2. y€– áÖî ÚÜÑ• „ €ÜÑ• ÖÖÑÈî ÚÜÑ7Ñ¢h>ya100ÉLESè6î ÚÜÜÓ7...†Üí 2
×ÈÖÖÑy100ÉLÚÜÜÝPÄÓ7...†Üí ©82ªªª ×¢ÖÑy „ €ÜÓÄÝP*î €Ü×100È
L¢ÄÑy10ul ^ à ¢ ÜÒyÄØÜ¢37/¢ ÜÒ ö5è1.5—H¢ Ç9: î 1J 800rpm¢ ; 2-4mm
¢<= ^ à†/Ë
3. Ä^ ¢2á„ *... Ä, ¢^ \$>î! " %öî Ä¢£" éèË
4. ÄÑy f„ áÄAP„ Ä100ÉLÓ¥" ÷ÜV×¢ ÚÒØÜ¢37/¢ ÜÒ ö5è1—H¢ Ç9: î 1
J 800rpm¢ ; 2-4mm¢<= ^ à†/Ë

5. $\tilde{A}^{\wedge} \quad \Phi 2\acute{a}_{,,} * \dots \tilde{A}, \Phi \tilde{A}\tilde{N}'' 200\tilde{E}\tilde{L}\tilde{i} \acute{e}\acute{e}\tilde{A}\acute{e}\acute{e}\Phi? \acute{E}1-2\acute{a}_{,,} \Phi \dots \tilde{N}\tilde{i} \quad \tilde{A}, \tilde{E}^{\wedge} \Phi \acute{e}\tilde{O}3>$
 $\tilde{E}^a *^a > \acute{e}\acute{e} * \Phi \quad Y\tilde{A}@\tilde{i} 2O\tilde{i} \acute{e}\acute{e}\tilde{a}\tilde{a}\tilde{A}\Phi- \quad \tilde{U}\tilde{O}@\tilde{A}@\quad B\tilde{A}\Phi- C \quad @\tilde{N}\tilde{i} \tilde{i} \tilde{A}, \acute{e}\tilde{i} \quad \tilde{A}$
 $\tilde{E}uG\tilde{O}r 8\tilde{i} \tilde{\zeta}^{\wedge} \quad \acute{e}\tilde{O}D\tilde{E}D^{\wedge} \tilde{E}$
6. $\backslash^{\wedge} \quad \Phi \tilde{A}\tilde{N}y f_{,,} \acute{a} \tilde{A}B\tilde{P}_{,} \tilde{A}\tilde{O}\tilde{\Psi}'' \div \tilde{U}\tilde{V} \times 100\tilde{E}\tilde{L}\Phi \quad \tilde{U}\tilde{O}\tilde{O}\tilde{U}\Phi 37/C \quad \tilde{U}\tilde{O} \quad \tilde{o}530\acute{a}_{,,} \Phi \quad \tilde{\zeta}$
 $9: \tilde{i} 1J 800rpm\Phi \quad ; 2-4mm\Phi < =^{\wedge} \tilde{a} \tilde{t} / \tilde{E}$
7. $\tilde{A}^{\wedge} \quad \Phi 2\acute{a}_{,,} * \dots \tilde{A}, \Phi \tilde{A}\tilde{N}'' 200\tilde{E}\tilde{L}\tilde{i} \acute{e}\acute{e}\tilde{A}\acute{e}\acute{e}\Phi? \acute{E}1-2\acute{a}_{,,} \Phi \dots \tilde{N}\tilde{i} \quad \tilde{A}, \tilde{E} \acute{e}\tilde{O}3> \Phi W$
 $' S 235\tilde{E}$
8. $\backslash^{\wedge} \quad \Phi \tilde{A}\tilde{N}y \tilde{\zeta} \tilde{A} 150\tilde{E}\tilde{L}\Phi \quad 6 \quad 2\acute{a}_{,,} \Phi^{\text{TM}} \tilde{S} < F \{ " ! " \Phi^{\wedge} 8\tilde{A}\tilde{D}G\tilde{D}\tilde{E}$
 $\&' -$
1. $\dots \tilde{t} \tilde{U}\tilde{i} - \tilde{U}\tilde{i}^a >; < \quad \tilde{e} \tilde{s} \tilde{i} \quad \tilde{U}7\Phi \tilde{A}\tilde{E}\tilde{i} 8H\tilde{S}\tilde{N}\tilde{O}\tilde{A}9\%_{\Phi} \tilde{\sim} \quad \Phi \quad 4\tilde{s} > \tilde{a} \tilde{s} = \$ \quad \Phi. \tilde{i} \%_{\Phi}$
 $\text{TM}'' \tilde{E}$
2. $y \in -; < 1_{,} \acute{E} \%^{\text{TM}}''^a > \% \tilde{i} I J \quad \Phi \tilde{Y} \quad \acute{o} \tilde{o} \tilde{E} y \in H \&' \quad \tilde{E} s \quad K \tilde{E} F'' \Phi - \quad \tilde{e} \tilde{U} y \propto \quad \tilde{U}\tilde{O}\tilde{O}\tilde{i}$
 $\Phi + ' \quad \tilde{E} L \tilde{O}\tilde{N} \cdot \Phi \cdot \cdot M \tilde{\zeta} \tilde{O} \gg \tilde{E} R \tilde{i} \quad @ \dots \tilde{t} y a^a \in \Phi y \in G \tilde{D} \acute{E} @^a B \tilde{N} R^a *^a B \tilde{N} y \in H I I N +$
 $' - \tilde{O}^a O P V @ 10\acute{a}_{,,} . \tilde{i} \times \Phi t > Q^2 \Phi - X \quad \tilde{E} S \tilde{i} R - 5 \tilde{e} S H I \quad \Phi H. > T U'' \quad \tilde{O})_{,,} ' \quad \frac{1}{4} \tilde{i} \tilde{U}$
 $M \%_{\Phi} \tilde{O}^{\wedge} \Phi \%_{\Phi} \tilde{E} J V_{,,} \frac{1}{4} \tilde{i} \tilde{U} M \%_{\Phi} \mu \tilde{\eta} \tilde{i} 1 \Phi \tilde{N} \tilde{a} \tilde{e} \cdot ; < \tilde{E}$
3. $5 \tilde{e} - J < = \tilde{e} \tilde{U} \quad W \Phi; < H \% - y \tilde{A} \tilde{A} \tilde{A} \tilde{O} \tilde{U} \tilde{i} \quad \tilde{U}\tilde{O}1 \propto 4 \tilde{t} \tilde{i} \Phi. \tilde{Y} \quad \tilde{A}, \quad W \Phi \acute{e} \tilde{O} * \quad @ +, \tilde{a} \tilde{e} \cdot$
 $\%_{\Phi} 21_{,} \Phi X Y H Z L @ \tilde{Y} \quad \tilde{U}\tilde{O} \in \propto \tilde{A} [! " \Phi S H @ \backslash] \quad \wedge _ _ \quad ^3 \tilde{i} 5 \tilde{e} H I \quad y 56 \tilde{E}$
4. $\acute{e}\acute{e} - x \acute{a} \acute{e} \acute{e} a b^{\wedge} s \Phi @ \tilde{A} > \acute{e}\acute{e} G \tilde{D} \acute{E} \Phi L s - \acute{e}\acute{e} \tilde{A} \tilde{D} \tilde{e} \tilde{I} \quad \tilde{A} \tilde{E} t > \text{TM}'' \quad \tilde{i} \quad \tilde{\zeta} \acute{e} \tilde{O} D \Phi \% @ c d \text{TM}''$
 $* \tilde{i} " \quad \tilde{a} e f ; < G \tilde{D} \acute{E} \tilde{E}$
5. $t > ; < ^{\circ} \tilde{i} 46 \quad \propto 60 \% \Phi \mu \tilde{\eta} \text{TM}'' y 4 \tilde{o} \tilde{o} \quad 46 \quad g \tilde{E}$

[;<(•)]

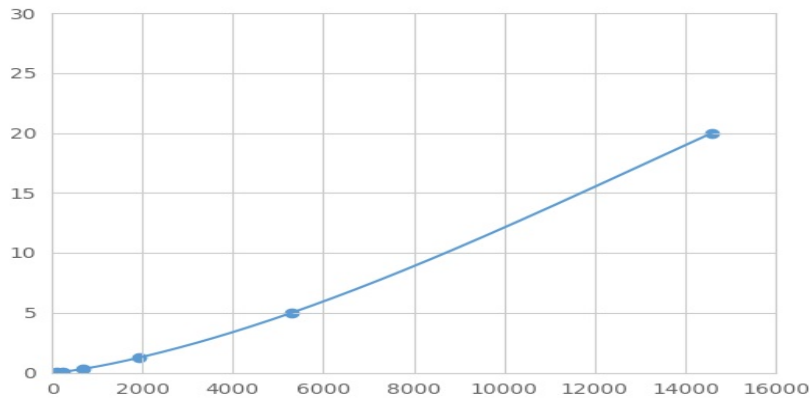
- TLR²², $\tilde{O} \propto^{\wedge} \% \tilde{S} < h i \quad \Phi V^{\wedge} j \quad \tilde{\zeta} k, \Phi i \quad \tilde{S} < \acute{E} \acute{a} \tilde{O} y a \tilde{U} \tilde{U} \tilde{U} \tilde{A} \tilde{U}^{\wedge} \quad \Phi \tilde{A} \acute{E} T L R 2 R m - \propto j \quad \tilde{\zeta} k,$
 $\tilde{A} \tilde{i}^2, \ll n \Phi \cdot * y a'' \cdot \quad " \tilde{i} T L R 2^2, \Phi @ - \quad \ll n \tilde{i} " \cdot \quad " ^2, \acute{e} \tilde{o} * \Phi y a P E \tilde{U} \tilde{o} \tilde{i} \quad p y \quad \Phi P E \tilde{O}$
 $q W * \Phi \tilde{U} i \quad M F I \frac{1}{4} \tilde{O} M e d i a n \quad F l u o r e s c e n c e \quad I n t e n s i t y \times \tilde{i}^2 - y \in \tilde{U} \acute{E} \tilde{i} \quad T L R 2 \tilde{e} \tilde{6} F e \tilde{\zeta} \tilde{E} \tilde{E}'' \quad L u m i n e x \acute{a} \tilde{a} \tilde{o}$
 $_{,,}^3 \Phi \tilde{U} \tilde{U} \in \tilde{U} \tilde{e} \tilde{6} \tilde{E}$

[ÚÛ]

r $\tilde{U} \tilde{U} \tilde{U} \tilde{d} \tilde{e}^{\wedge} \quad M F I \frac{1}{4} A \backslash \tilde{O} \tilde{O} \tilde{N} M F I \frac{1}{4} *_{,} \tilde{E} \tilde{O} s t \tilde{E} x \Phi t \tilde{i} 1 \Phi \tilde{N} \Phi u @ Y \tilde{A} g \quad \frac{1}{4} \tilde{U} \tilde{U} \tilde{E}. \quad \tilde{U} \tilde{U} \tilde{U} \tilde{i} \tilde{e} \tilde{6}$
 $J v w \tilde{U} \tilde{O} \tilde{A} \tilde{u} \tilde{D} w \tilde{U} \times \Phi M F I \frac{1}{4} J x w \tilde{U} \tilde{O} \tilde{A} \tilde{u} \tilde{D} w \tilde{U} \times \Phi y | \quad \tilde{U} \tilde{U} \quad \tilde{O}^a \quad W \tilde{d} f @ h z \{ W \tilde{d} \tilde{U} \tilde{U} \tilde{i} R 2 \frac{1}{4}$
 $E^3 \Phi. R 2 \frac{1}{4} | \} \sim \propto 1 J \tilde{u} \times \tilde{E} \mu \tilde{\eta} \text{TM}'' \cdot \in V_{,} \quad \cdot \tilde{A} \tilde{a} \tilde{e} \cdot \acute{a} \tilde{a} \Phi t \quad c u r v e \quad e x p e r t \quad 1.30 \Phi \tilde{U} i \quad \in \tilde{U} M F I \frac{1}{4} \Phi$
 $\tilde{U} \tilde{U} \quad , \quad \tilde{i} \quad \tilde{\zeta} @ \tilde{i} \tilde{e} \tilde{6} \Phi f. \quad \tilde{Y} P \tilde{i} \tilde{D} ? \tilde{A}'' \quad \tilde{U} \tilde{U} \cdot \tilde{i} \tilde{e} \tilde{6} R M F I \frac{1}{4} \tilde{U} \tilde{U} | \quad \tilde{U} \tilde{U} \quad \tilde{i} z \{ W \tilde{d} f \Phi - \in \tilde{U} \tilde{i}$
 $M F I \frac{1}{4}, a W \tilde{d} f \Phi \tilde{U} \tilde{U} | \quad \in \tilde{U} \tilde{e} \tilde{6} \Phi \tilde{i} f. \quad \tilde{Y} P \tilde{i} \tilde{D} \Phi^{\wedge} J \in \tilde{U} \tilde{i} ; \tilde{Y} \tilde{e} \tilde{6} \tilde{E}$

[...UĐi]

J V $\tilde{t} \propto \tilde{U} \Phi + \quad \tilde{e} \tilde{6} J \tilde{i} \quad \tilde{O}^{\wedge} \cdot M F I \frac{1}{4} J \cdot \tilde{O}^{\wedge} \Phi^3 \quad \tilde{i} y \tilde{E} H 3 P'' \quad \tilde{U} \tilde{U} \tilde{U} \tilde{i} M F I \frac{1}{4}, J x w \tilde{U} \tilde{O} X \tilde{t} \times \Phi \tilde{U} \tilde{U}$
 $\tilde{U} \tilde{i} \tilde{e} \tilde{6} J v w \tilde{U} \tilde{O} Y \tilde{t} \times \tilde{E} S H J V \dots < \ll > \tilde{i} - \wedge \% \Phi \tilde{E} \tilde{E} \tilde{D} \tilde{z} \tilde{i} N (\% \tilde{D} i \cdot a \tilde{u} \tilde{D} \frac{1}{4} \tilde{E} \mu \tilde{\eta} \text{TM}'' \quad \tilde{u} \tilde{D} \frac{1}{4} \tilde{o}$
 $\tilde{S} \tilde{U} \tilde{U} \quad \tilde{E} \tilde{E} \quad \propto; < 1_{,} 7 \tilde{A} \tilde{i} \quad \tilde{E} S \tilde{O} t 1_{,} \quad \cdot \quad \tilde{A} < \tilde{E} \cdot \acute{e} \tilde{O} < \tilde{E} y 567 \tilde{A} \# \times \Phi \tilde{U} \tilde{U} \quad \tilde{i} M F I \frac{1}{4} X$
 $\tilde{a} \tilde{e} \cdot \tilde{E} \quad \tilde{D} \tilde{z} \tilde{i} \quad \tilde{U} \tilde{U} \quad \cdot \tilde{z} \tilde{Z} \quad \Phi; < \quad \tilde{e} s \tilde{U} i \tilde{i} \tilde{e} \tilde{i} ; < \tilde{o} \tilde{S} \tilde{U} \tilde{U} \quad \tilde{E}$



(Total concentration, 2) $f_{\text{ng/mL}}$... \pm $\text{U}\hat{\text{U}}$

[$f_{\text{ng/mL}}$]

0.02-20ng/mL.

[$\frac{a}{f_{\text{ng/mL}}}$]

u $\frac{1}{4}$ J 20BÔÖ€ÜÓ^ ÜÜÜÝÞÀx, $\hat{3}$ î g $\frac{1}{4}$ y 8Ì ÜÛæ ü®î è6Ë

[$\frac{\cdot}{\%}$]

... \pm " $\alpha f_{\text{ng/mL}}$, TLR2 Φ } $f_{\text{ng/mL}}$, RÅÆÇ••K' > T' " j ®Ë

$\alpha \cdot$) < Æð€^- E" î • V Φ £ 8 $\frac{3}{4}$ D` ÇÈÄÇ••K' " j ®f, $\Phi \cdot u^-$... \pm 8 $\frac{3}{4}$ R } f
 , î ÅÆ• K ' " j ®Ë

[$\tilde{a} \sim 6$]

$\tilde{a} \sim 6$ " €Ü, $\hat{3}$ $\frac{1}{4}$ î O•• ðCVh# Ë CVÓ% \times = SD/mean β 100

- Ì æ-YS->... \pm ü • É• $\frac{1}{4}$ $\hat{3}$ $\frac{1}{4}$ €^- œ• $\hat{3}$ ' f, Φ Å-€^- m^- , $\hat{3}$ 20

> Φ á ÖÜÛ£Sè6€^- î g $\frac{1}{4}$ ðSD $\frac{1}{4}$ Ë

- Ì æ- nY3B£S->î ... \pm á Öü • É• $\frac{1}{4}$ $\hat{3}$ $\frac{1}{4}$ €^- œ• $\hat{3}$ ' , $\hat{3}$ Φ ÅB€^- TM" S^a ... \pm ^ Φ ,
 $\hat{3}$ 8> Φ á ÖÜÛ£Sè6€^- î g $\frac{1}{4}$ ðSD $\frac{1}{4}$ Ë

- Ì æ- CV<10%

- Ì æ- CV<12%

[$O^3 \%$]

} , $\hat{3}$ Φ ... \pm @ - Ì TM μ ¶ 56\$ Φ š %/ : - - α 5%Ë

J > -ÿí • ü ... \pm œ• ÷ * f, $\frac{1}{4}$ î " © Φ ; < ° î ž ÿ 7Àë + ' \$ >^a Φ ÅN; < ° Ì 56• 4
 6ð5ê 7ÀËÅ > S^a ; < j E œ• 1 , 8 > Φ £ J á æË

[; < α ð]

1. ; < ÷ ÜÜÜ• ... \pm ð€^- Üí ?

2. y € ÖÜÜÜÄ€^- \times 100ÉL Φ y ^ à Φ 37/C ÜÒ ö¥ê 1.5-H?

3. ^ Ì Á Φ y f, á ÅA100ÉL Φ 37/C ÜÒ ö¥ê 1-H?

4. ^ éÒ3>?
5. yf „ àÀB100ÉLÇ37/C Ç¥ê30á „ ?
6. ^ éÒ3>?
7. yçÀ150ÉLÇ 6 2á „ * GĐĚ

[Š>]

1. α§ 7Àð| <Æ g§E¾üžf¨ øžî (©æ• èi î^{a 3} RáâÇ⁻ FÜ8¾ @^a ³ î K´ <Æ« -Ě
2. ^a - î ; <«> R...†î %• ; < î ÇĚ1 „ . ð ; <žŸ~_ÇĚÇ%™ Ūí x î Ū⁻ í -Ě
3. ES- >† S^a FÜ8¾X Ç@æÖÇt-f „ ••⁻ ° 6Ç%hi ...† †Ī š> œœ• ; <1 „ Ç±²³ Ž«š> œ• „ Ž Ě
4. ⁻ ...† †Ū[^] ...† Ū[^]™“ ÇE¾Ø“ ÅµVä¨ î FÜĚB \] ^_⁻ ...† †î ; <š> ¶Xz) ^a î f „ «> Ě
5. @ ð5êGðÉŸ - ...†• „ @¹ ° ÉĚ ...†! Ā Ā». <= WýŠ” • óôÇ• JkŌ ĵ î Ā - „ ¼EÜMĚ
6. ¼ ½î ¾ÖŌÑÉ8¾X Ç@ €• KÇuJeb§¿ ÇEXü; <«> ä`XY” ©Ě ŪŌ@™“ HH cĀĀY| Ç%Çø÷Y| Ě
7. α1 „ £cd• 1 „ ĀåÄùån“ GĐóðĀ#L 8¾ ùå«> î F” Ě; <÷%Ā¼ĀGš> œúÆ...óöĚ
8. @€⁻ VÍ . ð1 „ î ĀBGðÉí O” L8¾ ESî ; <«> Ç . J Vø ; <«> î 8^Ç%Ç; <î Ā^a 21 „ Lës\] PVĚ
9. ...† †@| Ç÷ } G\] KfÇĚ α° É7Àðr ; <° 7Āæ• Ç8¾Xä` ; <«> R| Ç«> E^a ĀES->...† †-l æĚ² î \$%Ě
10. ⁻ ...† † RÅµÇĚST...† †ÄESW’ f „ S^a j î • î FÜüüwÇ . EĪ \f „ «> E^a î \$%Ě
11. “ αVÍ ...† †É² , î Í (• bJ ^1 kŌÇĚ αí ^1 kŌ nYî Î ½• hĪ • Đ• ñ” Wf # r ESÇ . ³ ´´´ \$Í Ž...† †8” αÅµúü ^1 kŌî f „ Ç• b³ ´r Eðö™“ ...† †f „ ^1 kŌĚ
12. %-ÑĚÜÉ „ • î è6ÇĀ ĩ Ū-; <M³ €Üf „ è6Ěð€î €• 8. <=€⁻ É f• Ě´~ | ...† †f „ Ě
13. Ž...† †8¾E’ “ α^a ; <⁻ ý %EM³ î Ó; <€Ūî f „ ÇxtÇ±• Ō\; <#Ě
14. ⁻ 1 „ š> S€’ “ α48T...† †Ě
15. Ž...† †• ž ĵ[™] Çt-Ā” α¥| §¨ ĀXYÅµ” ŌÇ³ úü- Eü• uF” î ÖxpÿÇØEÜ ŪXY’ ŪÿXĚ

[Öx¿Ü]

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