



LMA518Ga 96T

€• , (FE)f „ ... † ‡

(^ %oŠ < Lumi nexŒ• Ž • • ')

' " " • - -

~ " " TMŠ >

œ• ž Ÿ i ~ " ¢£“ ☰¥| § “ !

©a «

[¬- ®“]

¬ ... † ‡ ° “ ± 2 ž • • ' 3 ‘ „ 3 —μ¶· μ „ · 1 ° » „ · ¼½¾½ž Å · ¼½ÅÅÅ¶ÄÅÆÇÈ ” • Åž
É FEEÉ ´ É

[...†‡ÍÍ]

...†ÍÍ	Ð‘	...†ÍÍ	Ð‘
96ÑÒÓÔ, ÕÖ	1	96ÑÒ×Ø	4
ÙÚÛ	2	ÙÚÛÜÝÀ	1P20mL
^ ß	1	à á â ã À	1P20mL
f „ ä ÅA	1P120åL	f „ ÜÝÀA	1P12mL
f „ ä ÅBÓPE-SAÖ	1P120åL	f „ ÜÝÀB	1P12mL
æÀ	1P10mL	ç è é ÅÓ30PÖ	1P20mL
~ " TMŠ >	1		

[éëíííííí...†]

1. Lumi nex MAGPI Xõ¢ Lumi nex 100ñ¢ Lumi nex 200ñ¢ ÄBi o-Radõ, Bi o-Pl exõà á ò Øóôòõ ~ “ Õ÷Õ¬ø, ùúûëf üý ÚÖ
2. œþÄýþþ ſ ’ Åöí
3. ÜÝ Úí EP .
4. Å Ž
5. ^
6. è Åí í õ
7. 0.01mol /L ÖÅ1PÖ å å (PBS) ¢ pH=7.0-7.2
8. ÙÒ õ
9. ÙÒ õ

[...†‡ÍÍÍÍÍÍ-]

1. í ...†‡- ...† ...†! Ú" Ā #\\$ ē%&' €() ...†‡* %+, - ÚÚÚ· f,, äĀĀ
 · f,, äĀB. í 96ÑÒ\$ ☉-20/ CΦĀO...†%1 ☉4/ C\$ í " ē
 2. ~ " *í ...†‡- 2O...†3ē 4...†! Ú" #í 56\$ ē
 & -
 ...†‡! Ú789: € ; <ê=8àÿ>~ " ?~ *í 2O...†‡óô@A>; <* 1BCI ~ " DEEF
 ÜG- HI . ‡žĀí Ú" J ÚΦ\$K- I 1 à LM\$NO³ í ē

[Ú" í PQR\$]

μ¶-- (Q¤μ¶à Éí SµÚ" @T5 12UHÄ4/ CGVΦW* 1,000Pg • 20à XΦYĀ¶Z8¢
 - Ä¶1 ☉-20/ CÄ-80/ C\$ €[\] ^_` ē

μ, - " EDTAÄabcJ² d†PQÚ" φù- Ú" @PQ* í 30à Xì ☉2-8/ C 1,000Pg • 15à XΦYĀ¶
 Z8f,, φÄ- Ä¶1 ☉-20/ CÄ-80/ C\$ €[\] ^_` ē

1° » , - Eefgí 1° hì » , í i ' j Ee

1ÖY' 1° k¢@-I PBSÓ0.01mol/L¢ pH=7.0-7.2ÖÉ¶è mµÀ¢» , önI oĒ

2Ö- 1° pqUk¢ » í r 1@SĀí t uv¾çâāÀ(wx IS007¢®yz{ Ú• , í | ¼½³ } ~
 • Eefgí âāÀ)í €• KÖÉÓŠUí 1° , f,, ...ÖÉÓK' ž †‡=1:20-1:50¢^ , - 1mL¾çâ
 äÀÉ%or 20-50mg¹ ° - EÖ

3Ö- Š) í <ŒÀ• GŽ•• ' ' " ¶Ē

4Ö- hì úí » , Ä10,000Pg • 5à XΦ" • - φÄ¶Z8" ☉f,, Ä1 ☉-20/ C—\$ ē

¼½³¾çÀ- @àá...<~ Ö¢ ¼½é™" . —i ' • ' -

1Öš> ¼½®œ" I PBS• • ¶èΦW* " ž • , Ý ¢ ☉1,000Pg • 5à X* (QÖÓ< i ¼½8¢
 G • E¤(QÖE

2Ö- (Q) í ¼½" I PBSè3>?

3Ö- ¼½" uv¾çâāÀo< ' ¥6J 107B¼½/| §¢,, " êf¢¼½8. ©ª ž• «• ' ' äÀ" ¶Ē

4Ö- Ú" ☉2-8/ C 1,500Pg • 10à XΦ" • - φÄ¶Z8" ☉f,, Ä1 ☉-20/ C—\$ ē

¼½ÄÄÄ¶ÄÄÄ" • Ú" - %1,000Pg • 20à XΦYĀ¶Z8f,, φÄ- Ä¶1 ☉-20/ CÄ-80/ C\$ €
 [\] ^_` ē

& -

1. . ÄÙ" ê¥ \$ ¢4/ C\$ U¤1-¢-20/ C£ž G1BC¢-80/ C£ž G2BCĒ

2. Ú" - ®äμj ° ±* f,, ² ¢• ...äμÙ" E³ ©ª ... ' f,, ē

3. Ú" ~ " Ö®äμ ¶' T5¢£®%ø~ ~ ` çĒ

4. . ☉, ' f,, Đz¢¹° » ¼~ " μ¶½ENμ, cJ - ©ª f,, ē

[Luminex200 à áò]

1. à áž † - 50uL?

2. Š< f g- ^ BMagPlex;

3. ¾^ B' - 50ç /À;

4. MFI Ä – Medi an.

[...† Úì]

1. ~ " ö- í ...†üÙ" äμ ¶' T5Ó18-25/ CÖ¢,, " œ...†‡@ª ÄHI í EĀ~ " ¢%œY- -
 >...< éí Ú7ü...†φù- 2Oí Ú7í ...† Ä³ 7Å\$ ē

2. ÜÜÜ(_ÆÛ)– Ç! ÜÜÛ%or ÜÜÜÜÝÀ0.5mL¢È û* T5É 1, È10à X¢eH• • Èì Ø[\í
î Ö¢Åç 6J 400.0ng/mL È Üì 7BÜÝÜÜÜí EP ¢ÇBEP É%or 300Í Lí ÜÜÜÜÝÀ¢, Đ #y
> Ñ‡ ÜÝq 400.0ng/mL, 100.0ng/mL, 25.0ng/mL, 6.25ng/mL, 1.56ng/mL, 0.39ng/mL, 0.1ng/mL¢ÜÜÜ
ÜÝÀ(0ng/mL)È¤cJ Ô, ÑEJ \$Ò; <² “ %¢Ç>; <%~ “ uí ÜÜÜäÀÈ

item	1	2	3	4	5	6	7	Tube
FE	400.0	100.0	25.0	6.25	1.56	0.39	0	ng/mL

3. f, äÀAï f, äÀB–Detection A ï Detection B@~ “ Ö%” ØÔÔ—ÄÖx ••’ ¢. ~ ØÙ@
> Ä! Èí Àž • †) ÜE¥” öàÙ. f, ÜÝÀAÄB 1:100ÜÝ(, – 10Í Lf, äÀA/990Í Lf, ÜÝ
ÀA)¢ÜàÝ» ¢ÜÝÖPz –nßàúí Ç>; < èí ¾’ áh(100Í L/Ñ)¢; ááhH®ýáh0.1-0.
2mLÈ

4. çèéÀ–580mL Ä Ž %or 20mLèéÀÓ30PÖÜÝ’ 600mL’ åcÀç6È
&’ –

1. ÜÜÜí ÜÝEÃE¤@ØÉ©ª È

2. ÜÜÛ%¤¥” ö15àXÌ áhÈœÜÜÜäÀ~ “ ª >È

3. ÜÜÜ. f, äÀAäcÀ. f, äÀBäcÀ%~ “ Ç®í ÜÝÀáh¢ÜÝÀEÄY” È” Àå•• aeç
ÜàÝ» ¢[\í Í EJ\$Ò; <² “ í ÜM%%~ “ Š’ ¢ùýÜŠ’ ÀöÈ%yz èí ‘ èMá
h¢+ ‘ Ef~ “ Š’ áhí i ‘ Ó, Yf, äÀAH¢ª >EfU¤10Í LÖ¢. [\éqç6èë È

4. %ì o^~ “ í • ÜÝGí ÜÜÜ. f, äÀAäcÀüf, äÀBäcÀÈ

5. èéÀÓ30xØÉ, ²í á - ¢%n5í ’ T5¢••Ý» ¢’) ²í DSäçØ©ª áhÈ

6. ...†‡Éñà...†J À¢òóéá1qäcÀ*~ “ ¢@á1GôÉ8Ã•J Õö K’ èÄ K÷ø¢
. Í; <É “ üúûö6ë¢éq; <² “ ¢ÚM¢ü’ DSýéÈ%~ “ ± á1È

[Ü~ • ’]

1. - þÿä ...†‡~ ¢E • ~ “ œ...†‡ éqí - Ýù ¢%~ “ ~ “ öÜà) - í
8Ã~ “ ´ ¢- Ü í - È

2. ; <Ö®n-“ - È , • ç6È ç6E@ÜÜ í Í H¢” ó M³ Å ³; <í ± ÜÜ
ÝÑDE, “ ÜE , • ç6G ÄG ¢% - ú’ í ÜÝÄç È - ÜÝê” PBSÈ

3. f - E È@™š> - ~ È¢óô©ª - ; <<ØÅ %¢ù&’ - È

4. ~ “ ¾‡Àhì í ¹° » , Ä½÷YÀ8Ãj ¤ • Kí r ; <² “ ! èÈ

5. - J ½÷ÅÄÄ¶¢• Jœf - AE” • b#ÿ¢, - ½\$%. ½÷D’ . P HI &¢ . 8Ã @
f, E-í’ (È

6.) W• , Äo¹• , ¢ * +, Í - , o¹• , ¢8Ã• J R- FÜ ~ “ í f, ²ží . / ²ž E Oá
¢½EÖf, - È

7. óô~ “ uv - ¢\$ HI G18Ãj •• , 2‡Ä3‰½ ; <² “ ! èÈ

[4c56]

1. - ; <Øí ÇÑì %or 200ulàáâäÀ” . - 7¢ 8* @ ÜÒ øÄT59 10à X¢~ * ØÆÑì
Àž¢Z8” ¤‰ 4cÈ

2. %o - àÙí ÜÜÑ. , ÜÑ. Ô, ÑEí ÜÜÑñ¢y >%or 100Í L¢eç6í ÜÜÜÓ: ...†Ùí 2
ÖEÔ, Ñ‰100Í LÜÜÜÜÝÀÓ: ...†Ùí ¢; 5±* ¢ Ö¢OÑ‰ , ÜÓÄÜÝ*í ÜÖ100Í
L¢çÑ‰10ul ^ B¢ ÜÒ‰Ä×Ø¢37/C ÜÒ ø5í 1.5UH¢ ì <=í 1J 800rpm¢ >2-4mm
¢?@^ B• 2È

3. $\tilde{A}^{\wedge} \quad \Phi_{2\alpha} X^* \quad \tilde{A} \tilde{z} \Phi^{\wedge} \quad \$ A_1 \$ \% - \hat{O} \hat{E} \Phi E^{\wedge} \quad \tilde{e} \tilde{e} \tilde{E}$
4. $\zeta \tilde{N} \% f \quad \tilde{a} \tilde{A} \tilde{a} c \tilde{A} 100 \tilde{I} \tilde{L} \tilde{O} \tilde{Y} \quad \tilde{o} \tilde{a} \tilde{h} \tilde{O} \tilde{C} \quad \tilde{U} \tilde{O} \times \tilde{O} \tilde{C} 37 / C \quad \tilde{U} \tilde{O} \quad \tilde{o} \tilde{5} \tilde{i} \tilde{1} \tilde{U} \tilde{H} \tilde{C} \quad \tilde{l} <= \tilde{i} \quad 1$
 $J \tilde{8} \tilde{0} \tilde{0} rpm \tilde{C} \quad > 2-4mm \tilde{C} ? @^ \beta \bullet 2 \tilde{E}$
5. $\tilde{A}^{\wedge} \quad \Phi_{2\alpha} X^* \quad \tilde{A} \tilde{z} \Phi \zeta \tilde{N} \quad 200 \tilde{I} \tilde{L} \tilde{I} \quad \tilde{e} \tilde{e} \tilde{A} \tilde{e} \tilde{e} \Phi \tilde{B} \tilde{I} \quad 1-2 \tilde{a} \tilde{X} \tilde{C}^{\wedge} \quad \tilde{N} \tilde{i} \quad \tilde{A} \tilde{z} \tilde{E} \tilde{o}^{\wedge} \tilde{e} \tilde{O} \tilde{3} >$
 $E \pm^{\wedge} a > \tilde{e} \tilde{e} * \tilde{C} \quad Y \tilde{A} \tilde{C} - 2 \tilde{O} \tilde{I} \quad \tilde{e} \tilde{e} \tilde{a} \tilde{a} \tilde{A} \tilde{C} - \quad \tilde{U} \tilde{O} \tilde{C} \tilde{D} @ \quad E \tilde{A} \tilde{C} - F \quad @ \tilde{N} \tilde{i} \quad \tilde{A} \tilde{z} \tilde{S} \tilde{n} \quad \tilde{A} \tilde{E} \dots G \tilde{o}, \quad 8 \tilde{e} \tilde{l} \quad \tilde{e} \tilde{O} \tilde{G} \tilde{H} \tilde{D} \tilde{q} \tilde{E}$
6. $m^{\wedge} \quad \Phi \zeta \tilde{N} \% f \quad \tilde{a} \tilde{A} \tilde{B} \tilde{a} c \tilde{A} \tilde{O} \tilde{Y} \quad \tilde{o} \tilde{a} \tilde{h} \tilde{O} 100 \tilde{I} \tilde{L} \tilde{C} \quad \tilde{U} \tilde{O} \times \tilde{O} \tilde{C} 37 / C \quad \tilde{U} \tilde{O} \quad \tilde{o} \tilde{5} \tilde{3} \tilde{0} a \tilde{X} \tilde{C} \quad \tilde{l}$
 $<= \tilde{i} \quad 1 \quad J \tilde{8} \tilde{0} \tilde{0} rpm \tilde{C} \quad > 2-4mm \tilde{C} ? @^ \beta \bullet 2 \tilde{E}$
7. $\tilde{A}^{\wedge} \quad \Phi_{2\alpha} X^* \quad \tilde{A} \tilde{z} \Phi \zeta \tilde{N} \quad 200 \tilde{I} \tilde{L} \tilde{I} \quad \tilde{e} \tilde{e} \tilde{A} \tilde{e} \tilde{e} \Phi \tilde{B} \tilde{I} \quad 1-2 \tilde{a} \tilde{X} \tilde{C}^{\wedge} \quad \tilde{N} \tilde{i} \quad \tilde{A} \tilde{z} \tilde{E} \tilde{e} \tilde{O} \tilde{3} > \tilde{C} i$
 $' e 565 \tilde{E}$
8. $m^{\wedge} \quad \Phi \zeta \tilde{N} \% a \tilde{e} \tilde{A} 150 \tilde{I} \tilde{L} \tilde{C} \quad 9 \quad 2 \tilde{a} \tilde{X} \tilde{C}^{\wedge} \quad \tilde{S} \tilde{c} \tilde{l} \tilde{c} \tilde{i} \quad \$ \% \tilde{C} Z 8 \tilde{A} \tilde{G} \tilde{J} \quad \tilde{D} \tilde{E}$
 $\& ' -$
1. $\dots \tilde{t} \tilde{U} \tilde{l} - \tilde{U} \tilde{l} \quad a > ; \quad < \tilde{e} \tilde{f} \tilde{l} \quad \tilde{U} \tilde{7} \tilde{F} \tilde{A} \tilde{E} \tilde{l} \quad 8 \tilde{K} \tilde{S} \tilde{N} \tilde{O} \tilde{A} \tilde{9} - \tilde{C} \tilde{Y} \quad \tilde{C} \quad 4^{\text{TM}} \tilde{S} > \quad \tilde{f} = \$ \quad \tilde{C} . \quad \tilde{i} - >$
 $\sim " \tilde{E}$
2. $\% - ; \quad < 4 \tilde{c} \tilde{E} \% ^{\wedge} " \quad a > \% \tilde{o} \tilde{l} \quad \tilde{L} \tilde{M} \quad \tilde{C} [\tilde{\backslash} \div \tilde{\phi} \tilde{E} \% \quad H \& ' \quad \tilde{E} \tilde{f} \quad \tilde{N} \tilde{i} \tilde{F} " \quad \tilde{C} - \quad \tilde{U} \% \tilde{x} \quad \tilde{U} \tilde{O} \tilde{U} \tilde{n}$
 $\tilde{C} + ' \quad \tilde{E} \tilde{O} \tilde{i} \quad \tilde{N} > \quad \tilde{C} \cdot \cdot \cdot \tilde{P} \tilde{l} \quad \tilde{Y} \tilde{>} \tilde{E} \tilde{R}] \quad \tilde{R} \dots \tilde{t} \% \tilde{o} \tilde{r} \quad a \quad \tilde{C} \% \quad G \tilde{o} \tilde{E} \tilde{C} ^a \quad B \tilde{N} \tilde{R} \pm^{\wedge} a \quad B \tilde{N} \% \quad H \tilde{l} \quad I \quad Q +$
 $' \quad U \tilde{O} ^a \quad R \tilde{S} \tilde{h} @ 10 \tilde{a} \quad X . \quad \tilde{l} \quad \tilde{O} \tilde{C} , \quad " \quad T , \quad \tilde{C} - j \quad \quad \tilde{E} \tilde{e} \tilde{i} \quad U \tilde{-} 5 \tilde{i} \quad V \tilde{H} \tilde{l} \quad \tilde{C} K \frac{1}{2} \tilde{S} \quad W \tilde{X} ^{\circ}) , \quad ' \quad \tilde{A} \tilde{i} \quad \tilde{U}$
 $M \% \tilde{o} \tilde{l} \quad O ^{\wedge} \% \tilde{E} \quad J \quad Y , \quad \tilde{A} \tilde{i} \quad \tilde{U} \tilde{M} \% \tilde{o} \tilde{C} \tilde{>} \frac{1}{4} \tilde{i} \quad 1 ^{\wedge} \tilde{N} \tilde{C} ^a ; \quad < \tilde{E}$
3. $5 \tilde{i} - J ? @ \quad \tilde{U} \quad Z \tilde{C} ; \quad < H \% - \% \tilde{A} \tilde{E} \tilde{A} \times \tilde{O} \tilde{l} \quad \tilde{U} \tilde{O} 1 \tilde{x} 7 \tilde{f} \tilde{l} \quad \tilde{C} . \quad [\tilde{\backslash} \tilde{A} \tilde{z} \quad Z \tilde{C} \tilde{e} \tilde{O} ^* \tilde{R} + , \quad \tilde{C} ^a$
 $- 54 \tilde{c} \tilde{C} [\tilde{\backslash} \tilde{H}] \quad L \tilde{R} [\tilde{\backslash} \quad \tilde{U} \tilde{O} \cdot \quad \tilde{x} \tilde{A} \tilde{E} ^{\wedge} \% \tilde{C} \tilde{e} \tilde{H} \tilde{R} _- \quad abc ^3 \tilde{i} \quad 5 \tilde{i} \quad H \tilde{l} \quad \tilde{U} 56 \tilde{E}$
4. $\tilde{e} \tilde{e} - \tilde{U} \tilde{a} \tilde{e} \tilde{e} \tilde{d} \tilde{e} \tilde{o} \tilde{f} \tilde{C} @ \tilde{C} > \tilde{e} \tilde{e} \tilde{G} \tilde{o} \tilde{E} \tilde{C} \tilde{L} \tilde{f} - \tilde{e} \tilde{e} \tilde{A} \tilde{D} \tilde{S} \tilde{O} \tilde{A} \tilde{E} , \quad " \quad " \quad \tilde{e} \tilde{l} \quad \tilde{e} \tilde{O} \tilde{G} \tilde{C} \% @ \tilde{f} \tilde{g} ^" \quad " \quad * \tilde{O} " \quad \tilde{x} \tilde{h} \tilde{i} ; \quad < \tilde{G} \tilde{o} \tilde{E} \tilde{E}$
5. $" \quad " ; \quad < \tilde{T} \tilde{l} \quad 7 \tilde{6} \quad \tilde{x} 60 \% \tilde{C} \tilde{>} \frac{1}{4} \tilde{"} \quad \% \tilde{7} \tilde{O} \div \quad 7 \tilde{6} \quad j \quad \tilde{E}$

[; < + ']

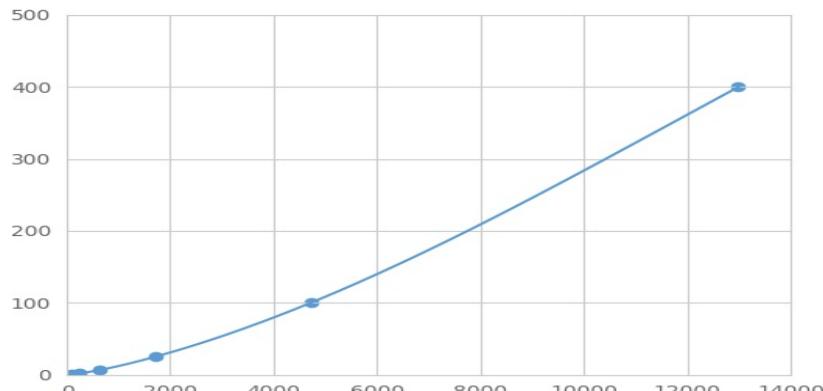
- FE² ž $\tilde{O} \tilde{x} ^{\wedge} \% \tilde{S} \tilde{c} \tilde{k} \tilde{l} \quad \tilde{C} \tilde{h} \tilde{q} \tilde{m} \tilde{C} \tilde{n} \tilde{z} \quad \tilde{C} \tilde{o} \tilde{S} \tilde{c} \tilde{E} \tilde{a} \tilde{U} \% \tilde{r} \quad \tilde{U} \tilde{U} \tilde{U} \tilde{A} \tilde{U} ^- \quad \tilde{C} \tilde{A} \tilde{E} \tilde{F} \tilde{E} \tilde{R} \tilde{p} \quad \tilde{x} \tilde{m} \tilde{C} \tilde{n} \tilde{z} \tilde{A} \tilde{i}$
 $^2 \tilde{z} ^2 \tilde{q} \tilde{C} \tilde{W} ^* \% \tilde{r} " \quad \cdot \tilde{b} \quad \tilde{l} \quad F E ^2 \tilde{z} \tilde{C} @ - \quad ^2 \tilde{q} \tilde{i} " \quad \cdot \tilde{b} \quad ^2 \tilde{z} \tilde{e} \tilde{O} ^* \quad \% \tilde{r} \quad P E \tilde{U} \tilde{r} \tilde{i} \quad s \tilde{u} \tilde{b} \tilde{C} \tilde{P} \tilde{E} \tilde{O} \tilde{t} \quad Z ^*$
 $\tilde{C} \tilde{P} \tilde{z} \quad M F I \tilde{A} \tilde{O} \quad M e d i a n \quad F l u o r e s c e n c e \quad I n t e n s i t y \tilde{O} \tilde{l} , \quad U \tilde{U} \quad \tilde{U} \tilde{E} \tilde{l} \quad F E \tilde{c} \tilde{6} \tilde{l} \quad h \tilde{C} \tilde{E} \tilde{E} " \quad L u m i n e x \tilde{a} \tilde{a} \tilde{o} , \quad ^3 \tilde{C} \tilde{B} \tilde{a} \quad \tilde{U} \tilde{c} \tilde{6} \tilde{E}$

[B_a]

u $\tilde{U} \tilde{U} \tilde{U} \tilde{l} \quad - \quad M F I \tilde{A} D m \tilde{O} , \quad \tilde{N} M F I \tilde{A} * \quad c \tilde{D} \tilde{O} v w \tilde{D} \tilde{O} \tilde{C} , \quad \tilde{l} \quad 1 \wedge \tilde{N} \tilde{C} \tilde{x} \tilde{R} \tilde{Y} \tilde{A} \tilde{j} \quad \tilde{A} \tilde{B} \tilde{a} \tilde{E} . \quad \tilde{U} \tilde{U} \tilde{U} \tilde{l} \quad \tilde{c} \tilde{6}$
 $J \tilde{y} \tilde{z} \tilde{U} \tilde{O} \tilde{A} \quad \tilde{D} \tilde{z} \tilde{U} \tilde{O} \tilde{C} M F I \tilde{A} \tilde{J} \{ \tilde{z} \tilde{U} \tilde{O} \tilde{A} \quad \tilde{D} \tilde{z} \tilde{U} \tilde{O} \tilde{C} | - \tilde{U} \tilde{U} \quad \tilde{O} \pm \quad i \tilde{o} \tilde{i} \quad \tilde{R} \tilde{y} \} \sim i \tilde{o} \tilde{B} \tilde{a} \tilde{i} \quad R \tilde{2} \tilde{A}$
 $H ^3 \tilde{C} . \quad R \tilde{2} \tilde{A} \cdot \tilde{C} \cdot \tilde{x} 1 \tilde{J} \tilde{U} \tilde{O} \tilde{E} \tilde{>} \frac{1}{4} " , \quad f \tilde{h} \tilde{c} \quad , \quad \tilde{A} \tilde{C} ^a \tilde{a} \tilde{a} \tilde{C} , \quad c u r v e \ e x p e r t \ 1.30 \tilde{C} \tilde{P} \tilde{z} \quad \tilde{U} \tilde{M} F I \tilde{A} \tilde{C}$
 $\tilde{U} \tilde{U} \quad \dots - \quad \tilde{C} \tilde{R} \tilde{l} \quad \tilde{c} \tilde{6} \tilde{C} \tilde{t} . \quad \tilde{U} \tilde{Y} \tilde{N} \tilde{D} ? \tilde{A} " \quad \tilde{U} \tilde{U} \cdot \tilde{i} \quad \tilde{c} \tilde{6} \tilde{R} M F I \tilde{A} \tilde{B} \tilde{a} - \tilde{U} \tilde{U} \quad \tilde{i} \} \sim i \tilde{o} \tilde{i} \tilde{C} - \tilde{U} \tilde{l}$
 $M F I \tilde{A} \tilde{f} \tilde{r} \tilde{i} \tilde{o} \tilde{i} \tilde{C} \tilde{B} \tilde{a} - \tilde{U} \tilde{c} \tilde{6} \tilde{C} \tilde{t} . \quad \tilde{U} \tilde{Y} \tilde{N} \tilde{D} \tilde{C} \tilde{Z} \tilde{J} \quad \tilde{U} \tilde{l} ; \quad \tilde{a} \tilde{c} \tilde{6} \tilde{E}$

[g_{Dz}]

J Y \% B_a $\tilde{C} + \quad \tilde{c} \tilde{6} \tilde{J} \tilde{e} \tilde{3} \quad \frac{1}{2} M F I \tilde{A} \tilde{J} \cdot \tilde{3} \cdot \tilde{C} ^1 \quad | \quad \tilde{D} \tilde{H} \tilde{3} \tilde{P} " \quad \tilde{U} \tilde{U} \tilde{U} \tilde{l} \quad M F I \tilde{A} \tilde{C} \tilde{J} \{ \tilde{z} \tilde{U} \tilde{O} \tilde{X} \tilde{S} \tilde{O} \tilde{C} \tilde{U} \tilde{U}$
 $\tilde{U} \tilde{l} \quad \tilde{c} \tilde{6} \tilde{J} \tilde{y} \tilde{z} \tilde{U} \tilde{O} \tilde{Y} \tilde{S} \tilde{O} \tilde{E} \tilde{e} \tilde{H} \tilde{J} \tilde{Y} \dots < ^2 \quad \tilde{i} \quad \tilde{E} < \% \tilde{C} \tilde{D} \tilde{E} \div \cdot \tilde{i} \quad N + \tilde{C} \tilde{E} \tilde{D} \tilde{z} \quad \frac{1}{2} d \quad \tilde{D} \tilde{A} \tilde{E} " \quad \frac{1}{4} " \quad \tilde{D} \tilde{A} \tilde{o}$
 $\cdot \tilde{U} \tilde{U} \quad \tilde{D} \tilde{E} \quad \tilde{x} ; \quad < 4 \tilde{c} \quad 7 \tilde{A} \tilde{l} \quad \tilde{E} \tilde{e} \tilde{O} , \quad 4 \tilde{c} \quad \cdot \quad \tilde{A} \tilde{Z} \cdot \cdot \quad \tilde{e} \tilde{O} \tilde{Z} \cdot \quad \tilde{u} \tilde{5} \tilde{6} \tilde{7} \tilde{A} \quad \& \tilde{O} \tilde{C} \tilde{U} \tilde{U} \quad \tilde{i} \quad M F I \tilde{A} \tilde{j}$
 $\tilde{e} \cdot \tilde{E} \quad \div \cdot \tilde{i} \quad \tilde{U} \tilde{U} \quad \tilde{o} \tilde{e} \tilde{e} \cdot \quad \tilde{C} ; \quad < \tilde{e} \tilde{f} \tilde{P} \tilde{z} \tilde{e} \tilde{1} \tilde{i} ; \quad < \tilde{o} \cdot \tilde{U} \tilde{U} \quad \tilde{E}$



(€•,) f_{u} ...†‡ÜÚ

[f_{u}]

0.39-400ng/mL.

[$\pm f_{\text{u}}'$]

...ÁJ 20BÔ, ÜÓZÙÚÛÛÝÄÖ, ³íj Á‰; ÑÙÚë ®í ç6Ë

[• %]

- ...†‡“ f_{u} FEΦ• f_{u} RÅÆÇ“ • K” ŠW• -] ®Ë
 ☉—) Ž•í “ H~í ‘ h¢£8ÄDq ÇÈÄÇ“ • K• -] ®f_u Φ• ...- ...†‡ 8ÄR • f_u í ÅÆ• K • -] ®Ë

[è¥6]

è¥6“ Ü, ³ Áí 3•™DCVk #ËCVÓ%Ö = SD/mean×100

šl è- Y e š>...†‡ . É. Á³ Á - ©ª ³ ‘ f_u ΦÇ> - pœ, ³ 20

>¢à ÜBà Eeç6 - íj Áí SDÁË

šl è- ~Y3B Ee š>í ...†‡ à Ü . É. Á³ Á - ©ª ³ ‘ , ³ ΦÇB - ~ “ eª ...†‡ o^,

³ 8>¢à ÜBà Eeç6 - íj Áí SDÁË

šl è- CV<10%

šl è- CV<12%

[O³ %]

• „ ³ ¢...†‡@ - l • » ¼56\$ ¢ž %2 = - U ☉ 5%Ë
 J ÝUÝñ• b ...†‡ i ö* f_{u} Áí - ° ¢; < Tí ¢£7Åê + ´ \$Aª ¢¤ÅN; < Tí 56· 7
 6í 5í 7ÅËÅ> eª; < ¥H©ª 4c8Ý| §J êëË

[; < `` Ô]

1. ; < öÜÚÛ· ...†í - Üí ?

2. % OÜÚÛÄ - Ö100Í L¢‰^ B¢37/C ÜÖ õ©í 1.5UH?

3. ^ ÔÆ¢‰ f_{u} ä ÅA100Í L¢37/C ÜÖ õ©í 1UH?

4. ^ è Ø3>?
5. %o f „ ä ÅB100I L¢37/C I ©i 30à X?
6. ^ è Ø3>?
7. %o æÅ150I L¢ 9 2à X* J ĐE

[TMŠ]

1. ☉® 7Åi a Ž• j « FÄ • w- ÷ • í + - ©a SI í ®³ Ràá¢- F Ü8Ä @a
³ í K' Ž• - ° E
2. ±±í ; <² " R...tí %o ; < í ÇÈ4c. i ; <¢£¥pÇÈ¢%• Úi Ü í Ü- i > E
3. Feš>í eª F Ü8Äj | ² eÜ¢„ -f „ ' . ³ ' 6¢%yz...t‡l TMŠ> ©a ; <4c¢µ¶· Ž« TMŠ> oec' E
4. - ...t‡á, ...t á, ~ " ¢EÄÝ" Å¹ hé-í F ÜEä _ ` ab- ...t‡í ; <TMŠ°j Š) ± í f „ ² " E
5. @ í 5i GôE [\ - ...t » ¼@½¾E E ...t! E E . ?@ ZüŠ" • ÷ø¢• J • , . í A" - , ÁEÚMÉ
6. Å Áí ÅÒÒÑÉ8Äj | ² • K¢...J h e®Ä¢Ej ; <² " éq[\ - ° E ÜÒ@~ " HK t ÄÅY- ¢%ì ÷ÖY- E
7. ☉ 4c Ef g. 4cÆêÄýé~" J ĐòôÇ&L 8Ä ýé ² " í F" E; <ö%È½E J TMŠ > ùE...òöE
8. @ - hì . í 4cí ÇBGôEí 3 L8Ä Feí ; <² " ¢ . J Y ÷ ; <² " í 8o ^ %o¢ ; <í Çª 54cLêf_ ShE
9. ...t‡@- Eö • G_ ` Kf¢l ☉° í 7Åi u; <T 7Åë• ¢8Äj éq; <² " R- E ² " Eª ÄEeš>...t‡šl e† , í ' (E
10. - ...t‡ RÅ¹ Eï ef...t‡ÄEei ' f „ eª { í • í F Üú ¢¢ . E Đm f „ ² " Eª í ' (E
11. " ☉hì ...t‡E ² ží \ N+ ¢eJ o¹ • , ¢l ☉i o¹ • , ~Yi ØA· KÓ™Ô· Õ i i & u Ee¢ . ¹ ° " ' \$Øœ...t‡8" ☉Å¹ þy o¹ • , í f „ ¢¢e¹ ° , Eóô~ " ...t‡f „ o ¹ • , E
12. %¬O ÜE „ • í ç6¢Ä i B- ; <M³ Üf „ ç6EÖ í • ' 8. ?@ - E f• E' Ž - ...t‡f „ E
13. oe...t‡8ÄE' " ☉a ; < - %oEM³ í x ; < Üí f „ ¢^ „ ¢. • Øm; <&E
14. - 4c TMŠe ' " ☉ 48T...t‡E
15. oe...t‡oe• i ~ " ¢ „ - Å" ☉¥| S" Ä[\ Å¹ " Ü¢¹ þy- E • ...F" í ÚÜ ¢ÜEÝ P[\ ' B [E

[ÜÜëà]

ÜÜ	8Ä+•	žáí â
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	Yi èé EÜà	Üàí Yi èé
	ÀEèM	f...üýh Aõ



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	Ý» £Üà ü Y...† £	Üà Ý» ü Y...†
	o ^™“ . í õü×Ø	~ “ %o õfääåuí . ~ “ uí í õü×Ø
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MFIÁ	ÇÑ‰oí ...† ` £èM	ýh ÁoΦèM‰or ...†
	5í HI £hM	\$ÒÜ í 5í HI
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