

MAS€ • GPR, fX2(MRGPRX2), ... †‡^
 (%oŠ<ŒLumi nex• Ž••'')
 " " • — ~
 TM" Š>œ

• ž Ÿ i ¢™" £¤" ¥| §" ©!

a ≪ ▷

[-®-]

° †‡^±" 23 Ÿ•' ' μ...¶·, 1°»° ¼½¾»° ˜ÀÁÂÃ° ˜ÀÄÅÆ¹ ÇÈÉ€••-Ã
 ŸÈMRGPRX2Èμ)

[†‡^ÍÍ]

†‡^Í Ð	Ñµ	†‡^Í Ð	Ñµ
96ØÓØØØ×Ø	1	96ØÓÙÚ	4
ÛÜÝ	2	ÛÜÝPBÃ	1à 20mL
%oá	1	âãäåÃ	1à 20mL
" ...æÃA	1à 120çL	" ...PBÃA	1à 12mL
" ...æÃBÔPE-SAØ	1à 120çL	" ...PBÃB	1à 12mL
èÃ	1à 10mL	éêëÃÔ30àØ	1à 20mL
TM" Š>œ	1		

[ÍÍÍÍ ÕÍ Ñ†‡]

- 1° Lumi nex MAGPI XòÈLumi nex 100óÈLumi nex
- 200óÈÇBi o-Radò, Bi o-Pl exòå ãôÔõõô÷™" øùø- ú, ûüýí „ þÿÜø
- 2° • Ç < µ Å÷ñ
- 3° PB Ýí EP .
- 4° Ç •
- 5° %o
- 6° éÃí Í ÷
- 7° 0.01mol/LÔÇ1àØ äå (PBS) ÈpH=7.0-7.2
- 8° ÷
- 9° ÜÓ ÷

[†‡^Í Ñ ®]

Cloud-Clone Corp.

1° ī †‡^ — †‡! " †‡#Û\$Æ %& ī ' () Æ* + †‡^ , ' - . / ÛÜÝ° „ ...æÃA
° „ ...æÃBOñ96ÒÓ& ¥-201C£È2†‡' 3¥41C& ī " ī
2° " , ī †‡^ — 42†‡5ī " 6†‡#Û\$ %i 78& ī
() —
†‡^ ī Ú9: ; <Æ" => ī ? : ā @TM" A TM" , ī 42†‡^ ÕöBC@=>, 1DEI TM" FGÍ H
ÝI ®J KO^ • Æi Û\$L ÜE&M®Í ¼â NO&PQ' ī ī

[Û° ī RST&]

½½¾» —œUVWī ½½Xī ¾» ī Y' Z œU
1Ø[" μ ½½\ ÆB-] PBSÔ0.01mol/L Æ pH=7.0-7.2 ØÈ¹ ē ^ , ĀÆ ¾» ø_Ð` ī
2Ø/ ½½a, ¶\ Æ! ¾i b 3BcÆi d ef ÁÄääåÄ(ghIS007E- i j k ÚI Öi mçÁ' no
p œUVWī äåÄ) ī qr ! M÷ÈÖ< ¶i ½½S t uv Øl ÔMµÝwx=1:20-1:50 Æy u—1mLÁÄä
åÄÈz b 20-50mg½ ° ī Ø
3Ø/ { +i | } Ā~I • €• , f „ ¹ ī
4Ø/ Xī yī ¾» Ä10,000àg ' 5â...Æ†‡^ ÆÆ¹ %: " ¥ „ ...Ç3¥-201CŠ & ī
¿ÀÄÄÄ—Bâä t >< øÆ¿Ài Æ" OŠY' • , —
1Ø• Ž¿À- • "] PBS• • ¹ ē Æ' , " ' I Ö " " Æ¥1,000àg ' 5â..., * SÌ Ø| • ¿À: —
I ' —~ * SØl
2Ø/ * S+i ¿À"] PBSê3@A
3Ø/ ¿À" ef ÁÄääåÄ` | f TM8L107D¿À/š> Æuœi t Æ¿À: O• ž • €Ý• , f æÃ„ ¹ ī
4Ø/ Ú° ¥2-81C 1,500àg ' 10â...Æ†‡^ ÆÆ¹ %: " ¥ „ ...Ç3¥-201CŠ & ī
¿ÀÄÄÄÆ¹ ÇÈÉ• — Ú° —' 1,000àg ' 20â...Æ[Æ¹ %: „ ...ÆÇ/ Æ¹ 3¥-201CÇ-801C& Æ
i ¢Æ œ¥l
() —
1° OÆÚ° ! ī TM & Æ41C& ¶¥1| Æ-201Cœ• I 1DE Æ-801Cœ• I 2DEI
2° Ú° § „ æ, Z ©a «, „ ...œÆŽvæ, Ú° œ- • ž v ® „ ...l
3° Ú° TM" ø- ä- ! ° f ± 7Æ œ- z Ú TM< ¥Äl
4° 2 ¥³ µ „ ...Ñj Æ' µ¶· TM" , ¹ , œP, » ¹ L ° • ž „ ...l

[Luminex200 à åô]

1. à å Ýw—50uLA
2. < ÆVW—%oá MagPlex;
3. ° %oá µ—50» /½;
4. MFI ½—Medi an.

[†‡Ü†]

1° TM" ø/ ī †‡þÛ° ä- ! ° f ± 7Ô18-251CØÆuœ• †‡^ B« ¾J KÍ œ¿ TM" Æ' • [§ °
@† > ī ī Ú9þ†‡Æu/ 42i Ú9ñ†‡" À' 9Á& ī
2° ÚÜÝ(œÄÝ)—Ä# ÚÜÝz b ÚÜÝþBÄ0.5mLEÄÝ, ± 7Å3³ Æ10â...ÆUJ • • ÇÈÔ i É
ÊØÆÈé8L10.0ng/mL Úi 7DþBÚÜÝi EP ÆÄDEP Æz b 300ELi ÚÜÝþBÄÆu l %i
@Í x þB, 10.0ng/mL, 2.5ng/mL, 0.62ng/mL, 0.16ng/mL, 0.04ng/mL, 0.01ng/mL, 0.0ng/mL ÚÜÝþB
Ä(0ng/mL)—~ ¹ L ÕÖÖl L & ī = > -œ ŠÆ@=>' TM" e ī ÚÜÝæÃl

item	1	2	3	4	5	6	7	Tube
MRGPRX2	10.0	2.5	0.62	0.16	0.04	0.01	0	ng/mL

3° „ ...æĀAñ „ ...æĀB—Detection A ñDetection BB™” ø' " ī ĐÑŠÇÒÓ ' • , EO™ÔÓB
 ŽÇ#Äï ĀÝ‡w+ Öl | " øâxO „ ...PBAÇB 1:100Pß(u—10EL „ ...æĀA/990EL „ ...Pß
 ĀA)EØâÙ¾E PßøUj - _ ÜÜýï Ä@=> ī ī ° µÝX(100EL/Ö)E=PÝXJ - YX0.1-0.
 2mL

4° éêëĀ—580mL Ç • z b 20mLéëĀÖ30à ØPßf 600mLf B¹ Āé8ì

() —

1° ÜÜÝï Pß¤—~ BÓÈ• žì

2° ÜÜÝ' ¥| " ø15â...í YXì • ÜÜÝäç™" « @ì

3° ÜÜÝ° „ ...æĀAB¹ Ā° „ ...æĀBß¹ Ā' ™" €- ī PßÄÝXEPßÄ¤çÙ" ī " Āá••âã
 ØâÙ¾E i EÉl L&I =>-œi ÜOŠ' ™" < µ EüyÜ< µ Ā÷l ' i j ī i µäOÝ
 XE- µ¤t™" < µÝXï Y' Öu [„ ...æĀAJ E« @¤t ¶¥10ELØEO i å, é8æçì

4° ' è` E™" é~PßI ī ÜÜÝ° „ ...æĀAB¹ Āþ „ ...æĀBß¹ Āì

5° éëĀÖ30xØE u -éäS E' _7ëf±7E•• Ü¾E f+ -éFì æÄí • ž YXì

6° t‡^ Èí ât‡L ĀEí ði Y3, B¹ Ā, ™" EßY3I ñE: çŽLòó MµçÇ MôôE
 Oñ=>È " ö÷øð8ç Eå, =>-œ¤ÜOÆùffFì úæl ' ™" 2 Y3ì

[Ü° •]

1° ° üüàýt‡^° þÿ E¤ýŽ™" • t‡^ å, ī ° " öÿ E' ™" ™" øØâ + ° ī
 : ç™" µE- Ø ī ° ī

2° =>ø-_-... ° È ...-é8ì é8¤BÜÜ ī ī J E" Õ O' È ' =>ii « YP
 BÍ Ñì uœ YÊ ...-é8I ÇI E' ý ° ü" ī PßÇé ī ° Pßì " PBSì

3° " °¤ Eßš> œ ° < È EÖÖ•ž- =>>î È ŠEú() ° ī

4° ™" " ÁÄÄXí ī ¼½¾» ÇçÀù[Ā: çZ ¥ " -Mí b =>-œ çì

5° " LçÀÄÅÆ¹ EŽL•V ° Ā Ž ! Eü-çÀ" #° çÀÑµ° R JK\$E O: ç B
 " ...¤§í %&ì

6° ' ' I Öç` ¼I ÖE () * ñ+* ` ¼I ÖE: çŽLT° HÝ ™" ī „ ...³ Yñ, - ³ Y¤, Y
 E, ¤x, ...§ì

7° öö™" ef ° E& JK! /: çZŽI ÖOÄÇ1Š, =>-œ çì

[2¹ 34]

1° / =>Óí ĀÓí z b 200ulâãäåĀ" O- 5E 6, B ÜÓ ÷ AE± 77 10â...E<, ĐÄÓí
 ÄÝE‰: " ¥z 2¹ ī

2° z —âxØÜÜØ° ... YØ° ööØí ØÜÜØØEi @z b 100EL¤Ué8i ÜÜÝØ8t‡Üí 2
 Øí ØØØz 100ELÜÜÝPßÄØ8t‡Üí ^ 93«, « ØE2Øz ... YÖÇPß, ī YØ100E
 LEÄØz 10ul‰á E ÜÓz AEÜÜE371C ÜÓ ÷ 7ë1¶J E È: ; Ø3L 800rpmE <2-4mmE
 =>%oá ‡ Oí

3° AE‰ E2â..., † ÄÝE‰ &?í "#ŠĐÄE¤" êëí

4° ÄØz „ ...æĀAB¹ Ā100ELØ! " øÝXØE ÜÓÜÜE371C ÜÓ ÷ 7ë1¶J E È: ; Ø3
 L 800rpmE <2-4mmE =>%oá ‡ Oí

5° $\Delta E\%$ $E2\hat{a}$..., $\dagger \tilde{A} \tilde{Y} \tilde{E} \tilde{A} \tilde{O}$ " 200 $\ddot{E} L\ddot{I}$ $\hat{e} \hat{e} \tilde{A} \hat{e} \hat{e} E @ \hat{E} 1-2\hat{a}$... $E \dagger \tilde{O} \tilde{I}$ $\tilde{A} \tilde{Y} \tilde{I}$ ` $E \hat{e} \tilde{O} 3 @$
 1 «, « @ $\hat{e} \hat{e}$, $E [\tilde{C} \tilde{A} \tilde{S} 42\ddot{I}$ $\hat{e} \hat{e} \hat{a} \hat{a} \tilde{A} E / \tilde{U} \tilde{O} A B B C \tilde{A} E / D B \tilde{O} \tilde{I} \tilde{I} \tilde{A} \tilde{Y} \tilde{I} \hat{I} \tilde{A}$
 1 vI $\tilde{n} s$: i $\tilde{E} \%$ $\hat{e} \tilde{O} E F F$, i
 6° $\wedge \%$ $E \tilde{A} \tilde{O} z$, ... $\hat{a} \hat{A} B B^1 \tilde{A} \tilde{O} |$ " $\tilde{o} \tilde{Y} X \tilde{O} 100 \ddot{E} L E$ $\tilde{U} \tilde{O} \tilde{U} \tilde{U} E 371 C$ $\tilde{U} \tilde{O}$ $\div 730 \hat{a}$... $E \tilde{E}$
 : ; $\tilde{O} 3 L 800 r p m E < 2-4 m m E = > \%$ $\hat{a} \neq O I$
 7° $\Delta E \%$ $E2\hat{a}$..., $\dagger \tilde{A} \tilde{Y} \tilde{E} \tilde{A} \tilde{O}$ " 200 $\ddot{E} L\ddot{I}$ $\hat{e} \hat{e} \tilde{A} \hat{e} \hat{e} E @ \hat{E} 1-2\hat{a}$... $E \dagger \tilde{O} \tilde{I}$ $\tilde{A} \tilde{Y} \tilde{I}$ $\hat{e} \tilde{O} 3 @ E Y$
 ' U345
 8° $\wedge \%$ $E \tilde{A} \tilde{O} z \hat{e} \tilde{A} 150 \ddot{E} L E$ 7 2 \hat{a} ... $E^{TM} < \tilde{E} G | \cdot " \# E \%$: $A E H \tilde{N} I$
 () —
 1° $\dagger \neq \tilde{U} \tilde{I} - \tilde{U} \tilde{I} \ll @ = > \tilde{i} \tilde{t} \tilde{I} \tilde{I} \tilde{U} \tilde{9} \tilde{E} \tilde{E} \tilde{E} \tilde{I} : \tilde{I} < \tilde{O} \tilde{O} \tilde{A} ; \tilde{S} \tilde{E} \tilde{TM} \tilde{E} " \tilde{6} \tilde{s} > \tilde{o} \tilde{e} t ? & \tilde{E} \tilde{O} \tilde{I} \tilde{S} @$
 $\tilde{TM} " \tilde{I}$
 2° $Z \longrightarrow 2^1 \tilde{E} ' \tilde{TM} " \ll @ \tilde{S} \tilde{I} J K \tilde{E} \tilde{i} \tilde{O} \tilde{O} \tilde{I} \tilde{z} \tilde{J} () \tilde{o} \tilde{t} \tilde{L} \tilde{E} \tilde{H} \bullet \tilde{E} / \tilde{Y} \tilde{z} \tilde{\$} \tilde{U} \tilde{O} \tilde{O} \tilde{I}$
 $\tilde{E} - \mu \tilde{M} \tilde{N} \tilde{O} \tilde{Z} \tilde{E} \bullet \bullet N \tilde{E} \tilde{U} \tilde{3} \tilde{4} \tilde{I} \tilde{T} \tilde{C} \tilde{-} \tilde{\dagger} \tilde{\neq} \tilde{z} \tilde{b} \ll \tilde{E} \tilde{z} \tilde{i} \tilde{n} \tilde{E} ^a \ll \tilde{D} \tilde{O} \tilde{z} \tilde{J} \tilde{K} \tilde{K} \tilde{O}$
 $\mu \tilde{P} \tilde{O} \ll \tilde{P} \tilde{Q} \tilde{X} \tilde{B} 10 \hat{a} \dots O I \tilde{\O} \tilde{E} u \tilde{a} \tilde{R} ^3 \tilde{E} / Z \tilde{\alpha} \tilde{U} \tilde{I} \tilde{S} - 7 \tilde{e} \tilde{T} \tilde{J} \tilde{K} \tilde{E} \tilde{I} \tilde{,} \tilde{>} \tilde{U} \tilde{V} \tilde{C} ^a + \dots \mu \tilde{1} \tilde{2} \tilde{I} \tilde{U}$
 $O \tilde{S} \tilde{n} \tilde{`} \tilde{E} \tilde{S} \tilde{I} \tilde{L} \tilde{W} \dots \tilde{1} \tilde{2} \tilde{I} \tilde{U} \tilde{O} \tilde{S} \tilde{E} \tilde{P} \cdot \tilde{\O} \tilde{3} \tilde{E} \tilde{O} \cdot \tilde{z} = > \tilde{I}$
 3° $7 \tilde{e} - L = > \tilde{Y} \tilde{X} \tilde{E} = > J ' / z \tilde{A} \tilde{E} \tilde{C} \tilde{U} \tilde{U} \tilde{I} \tilde{U} \tilde{O} \tilde{3} \tilde{\$} \tilde{5} ^\wedge \tilde{I} \tilde{E} \tilde{O} \tilde{i} \tilde{A} \tilde{Y} \tilde{X} \tilde{E} \tilde{e} \tilde{O}, \tilde{-} \tilde{-} . \bullet \tilde{z}$
 $\tilde{S} \tilde{3} \tilde{2} ^1 \tilde{E} \tilde{Y} \tilde{Z} \tilde{J} [\tilde{N} ^- \tilde{i} \tilde{U} \tilde{O} \cdot \tilde{\$} \tilde{A} \tilde{V} " \# \tilde{E} \tilde{U} \tilde{J} ^-] \tilde{^} \tilde{_} \tilde{a} \tilde{' \tilde{i}} \tilde{7} \tilde{e} \tilde{J} \tilde{K} \tilde{p} \tilde{7} \tilde{8} \tilde{I}$
 4° $\hat{e} \hat{e} - \hat{O} \hat{a} \hat{e} \hat{e} b c^c t \hat{E} \hat{B} \hat{A} @ \hat{e} \hat{e} I \hat{n} \hat{E} \hat{E} N t / \hat{e} \hat{e} \hat{A} \hat{F} \hat{I} \hat{D} \hat{A} \hat{I} u \hat{o} \hat{e} \hat{TM} " \hat{I} \hat{E} \hat{e} \hat{O} E \hat{E} ' \hat{B} \hat{d} \hat{e} \hat{TM} "$
 $, \hat{I} " \hat{\$} \hat{f} \hat{g} = > \hat{I} \hat{n} \hat{E} \hat{I}$
 5° $u \hat{o} \hat{e} = > \pm \hat{I} 58 \hat{\$} 60 \% E \hat{P} \cdot \hat{TM} " z 5 \div \hat{u} 58 h \hat{I}$

[=> ,]

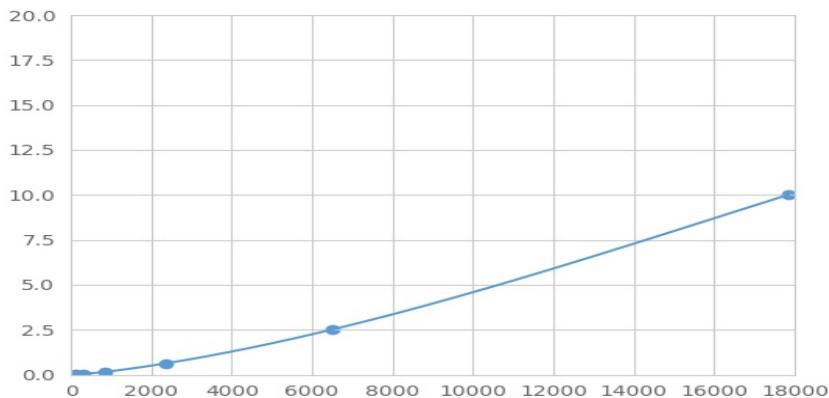
$/ M R G P R X 2 ^3 \tilde{Y} \times \tilde{\$} \tilde{S} \tilde{<} \tilde{E} \tilde{i} \tilde{j} \tilde{E} \tilde{X}, k \tilde{E} \tilde{l} \tilde{Y} \tilde{E} \tilde{m} \tilde{<} \tilde{E} \tilde{E} \hat{a} \times \tilde{z} \tilde{b} \tilde{U} \tilde{U} \tilde{Y} \tilde{C} \tilde{U} ^\circ \tilde{E} \tilde{E} \hat{E} M R G P R X 2 T n \sim \tilde{\$} k$
 $\tilde{E} \tilde{i} \tilde{Y} \tilde{A} \tilde{E} \tilde{I} ^3 \tilde{Y} \tilde{-} \tilde{o} \tilde{E} ^\circ, z \tilde{b} \bullet - " \tilde{I} M R G P R X 2 ^3 \tilde{Y} \tilde{E} \tilde{B} / \tilde{-} \tilde{o} \tilde{I} \bullet - " ^3 \tilde{Y} \tilde{e} \tilde{o}, \tilde{E} \tilde{z} \tilde{b} \tilde{P} \tilde{E} \tilde{U} \tilde{p} \tilde{i} \tilde{q} \tilde{p}$
 $\tilde{E} \tilde{P} \tilde{E} \times \tilde{r} \tilde{X}, \tilde{E} \tilde{U} \tilde{j} M F I \frac{1}{2} \hat{O} M e d i a n F l u o r e s c e n c e I n t e n s i t y \tilde{O} \tilde{I} ^3 \tilde{P} \tilde{p} \tilde{Y} \tilde{E} \tilde{I} M R G P R X 2 \hat{e} 8 G f \tilde{E} \bullet \tilde{I} " L u$
 $m i n e x \hat{a} \hat{a} \hat{o} \dots \hat{E} \hat{U} \hat{U} \hat{Y} \hat{e} \hat{8} \hat{I}$

[ÜÜ]

$S \hat{U} \hat{U} \hat{Y} \hat{n} ^\circ M F I \frac{1}{2} B ^\wedge \hat{O} \hat{O} \hat{O} M F I \frac{1}{2}, \hat{I} \hat{I} \hat{O} t \hat{u} \hat{l} \hat{Q} \hat{E} u \hat{O} \hat{3} \hat{E} \hat{O} \hat{E} \hat{v} ^- [\hat{E} \hat{h} ! \frac{1}{2} \hat{U} \hat{U} \hat{I} \hat{O} \hat{U} \hat{U} \hat{Y} \hat{I} \hat{e} 8$
 $L w x \hat{U} \hat{O} \hat{C} \hat{Y} \hat{N} x \hat{U} \hat{O} \hat{E} M F I \frac{1}{2} L y x \hat{U} \hat{O} \hat{C} \hat{Y} \hat{N} x \hat{U} \hat{O} \hat{E} z \hat{S} \hat{U} \hat{U} \hat{O} \ll \hat{Y} \hat{n} \hat{g} ^- \hat{i} \{ | \hat{Y} \hat{n} \hat{U} \hat{U} \hat{I} \hat{R} \frac{1}{2}$
 $F ^\circ E O R \frac{1}{2} \} \sim \bullet \hat{\$} 1 L \hat{y} \hat{O} \hat{l} \hat{P} \cdot \hat{TM} " \hat{E} \cdot \hat{X} ^1, \hat{A} \cdot \hat{z} \hat{a} \hat{a} \hat{E} u \hat{c} u \hat{r} \hat{e} \hat{x} \hat{p} \hat{e} \hat{1} \hat{.} \hat{3} \hat{0} \hat{E} \hat{U} \hat{j} \hat{Y} M F I \frac{1}{2} E$
 $\hat{U} \hat{U} \hat{f} \hat{S} \hat{E} ^- \hat{I} \hat{e} 8 \hat{E}, O P B \hat{I} \hat{N} A \hat{C} " \hat{U} \hat{U} - \hat{I} \hat{e} 8 T M F I \frac{1}{2} \hat{U} \hat{U} \hat{S} \hat{U} \hat{U} \hat{I} \{ | \hat{Y} \hat{n} \hat{g} \hat{E} / \hat{Y} \hat{I}$
 $M F I \frac{1}{2} \dots b Y \hat{n} \hat{g} \hat{E} \hat{U} \hat{U} \hat{S} \hat{Y} \hat{e} 8 \hat{E} \hat{I}, O P B \hat{I} \hat{N} E \hat{\%} L \hat{Y} \hat{I} = P \hat{e} 8 \hat{I}$

[† WÑj]

$L w \hat{f} \hat{\$} \hat{U} \hat{U} \hat{E} - \hat{e} 8 L \hat{l} \hat{1} \hat{\mu}, M F I \frac{1}{2} L \hat{Z} \hat{1} \hat{\mu} \hat{E} ^\circ \hat{\mu} \hat{z} \hat{l} \hat{J} \hat{5} \hat{R} " \hat{U} \hat{U} \hat{Y} \hat{I} M F I \frac{1}{2} \hat{1} L y x \hat{U} \hat{O} \hat{X} ^\wedge \hat{\O} \hat{E} \hat{U} \hat{U}$
 $\hat{Y} \hat{I} \hat{e} 8 L w x \hat{U} \hat{O} \hat{Y} ^\wedge \hat{\O} \hat{l} \hat{U} \hat{J} \hat{L} \hat{W} \hat{t} > - \hat{o} \hat{e} \hat{i} - \hat{\%} \hat{S} \hat{E} \hat{l} \hat{E} \hat{u} \hat{z} \hat{l} \hat{P} \hat{J} \hat{S} \hat{N} \hat{j}, b \hat{y} \hat{N} \hat{1} \hat{l} \hat{P} \cdot \hat{TM} " \hat{y} \hat{N} \hat{1} \hat{o}$
 $\hat{U} \hat{U} \hat{l} \hat{l} \hat{\$} = > 2 ^1 \hat{9} \hat{A} \hat{l} \hat{\alpha} \hat{U} \hat{O} \hat{u} 2 ^1 ^\circ \hat{A} \hat{E} \cdot \hat{\circ} \hat{e} \hat{O} \hat{E} \cdot \hat{P} 789 \hat{A} \hat{\$} \hat{\O} \hat{E} \hat{U} \hat{U} \hat{I} M F I \frac{1}{2} Z$
 $\hat{c} \hat{Z} \hat{l} \hat{u} \hat{z} \hat{l} \hat{U} \hat{U} \hat{\bullet} \hat{z} \hat{\bullet} \hat{E} = > \hat{i} \hat{t} \hat{U} \hat{j} \hat{i} \hat{e} \hat{I} = > \hat{\O} \hat{c} \hat{U} \hat{U} \hat{l}$



(MAS• GPR, fX2), ...†‡^ ÜÜ

[...]

0.01-10ng/mL.

[« „ ...•]

✓½L20DÖÖ ŸÔ‰ÜÜÝPBÄØ...’ i h! ½z 9í ÜÜç ý - i é8ì

[ZŠ]

◦ †‡^ " ¥„ ...MRGPRX2E~ „ ...TÈÉ€' - M' > U" " €-)
¥• +Œ• ñ ° F- i • XE¤: ¢F, €• C€' - M" " €- „ ...EŽv° †‡^ : ¢T ~ „
...i ÈÉ-M " " €-)

[ä™8]

ä™8" Ÿ...’ ½i 1Ž—ÑCVi %ì CVÔ%Ø = SD/meanà 100

~ í ç-[U~ @†‡^ ý ° È° ½' ½ ° • ž' μ „ ...EÃ™ ° nš...’ 20

@Eâ×ÜÜ¤Ué8 ° i h! ½ñSD½ì

~ Kç-o[3D¤U~ @i †‡^ â×ý ° È° ½' ½ ° • ž' μ...’ EÃD ° ™" U« †‡^ ` E...

~ 8@Eâ×ÜÜ¤Ué8 ° i h! ½ñSD½ì

~ í ç— CV<10%

~ Kç— CV<12%

[Q' Š]

~ ...’ E†‡^ B ®í > " ¶· 78& EœŠO ; / ¶¥5%ì

L· ¶ i Ž ý†‡^ žŸØ, „ ...½i ©¤ E=>±i i 9Ái - µ&? « E¢ÈP=>±í 78° 5
8ñ7ë9Áì È@ U« =>fF• ž 2¹ : • E~ Læçì

[=>¤ñ]

1° =>øÜÜÝ° †‡ñ ° Ü† A

2° z ØÜÜÝÇ ° Ø100ÈL£z %oá E371C ÜÓ ÷ ¥ë1¶J A

3° %o ĐÂEz „ ...æÃA100ÈL£371C ÜÓ ÷ ¥ë1¶J A

4° %o êÓ3@A

5° z „ ...æĀB100ĒLÉ371C È¥ë30â...A

6° %o êÓ3@A

7° z èĀ150ĒLÉ 7 2â..., HÑI

[Š>]

1° ¥.. 9Āñ! ©• hS¤žg.. ùžř) ©• žìjř^ TâāE° HÝ: ž B«
'ř Mµ©• «-l

2° «-ř =>-œT†‡ř Š° => ř€• 2¹ Oñ=> j™a€• E' > Üř Ø ř Ü° ī ™l

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4° ° †‡^ř Ŧ' †‡ Ŧ'™" E¤žÜ" ÈµXå..ř HÝl à] ^_`° †‡^ř => Š> ¶Z{ +«
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5° B ñ7eI ñĒ j / †‡. , B¹° Èl †‡#Ä Ä» O=> Xþ< • -ôõEŽLl Ö Å
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6° ¼ ½ř ¾ÓÓÒÈ: ž Z E® - MÈvLfc..ž E¤Zý => -œå, YZ©a l ÜÓB™"
Jl dÀÁ[ſE' èùø[ſl

7° ¥2¹ ¤de° 2¹ ÅæÇúæo" HÑôñÅ\$N : ž úæ-œi H•l => Ø' ÅžÅHš>
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8° B ° Xl Oñ2¹ř ÄDI ñĒř 1" N: ž ¤Uř => -œE OLWù => -œi : ` EŠE=>
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9° †‡^ř B§Çø! ~l] ^M, EÈ ¥±É9ĀñS => ±9ĀçŽE: ž Zå, => -œT ſÇ-œ¤
Ç¤U~@†‡^~Kç È³ř %&l

10° ° †‡^ř TÈµÇŒUV†‡^ř Ç¤UY' „...U«kř -ř HÝüýx E Oþl ^ „...-œ¤
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11° " ¥Xl †‡^ř È³ř Yř i l) -cL` ¼l ÖEE ¥ř ` ¼l Ö o[i l ¾° i l -D° ò" Yg\$
s ¤U£ O' µ' ' &l • †‡^ř: " ¥Èµûü` ¼l Öř „...E-c' µs¤ðö™" †‡^ř „...
¼l Öl

12° ' - N YÈ ...-ř é8EÇ ØÜ- => O' Ÿ „...é8l Ø ř ., : O=> ° È „-Eµ•
ſ†‡^ „... l

13° • †‡^ř: ž ¤" " ¥« => ° þ Š¤O' i Ö=> Ÿř „...EyuE² ŽÖ^ => \$l

14° ° 2¹ Š> U „... ¥48T†‡^ř l

15° • †‡^ř • ž i ¢™" Eü/È" ¥| ſ" ©ÇYZÈµ" ÖE' üü/¤yŽvH•l Öxÿ EØ¤Ù
ÚYZ' Ü Yl

[ÖxÅÜ]

Öx	: ž) Ž	ÂÝYP
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