



1<sup>1</sup> ...† æÃBOñ%ÓÔ& | -201CæÇ2†^' 3| 41C& î • Í  
 2<sup>1</sup> š• , ï †^ %~ 42†^ 5i " 6†^ #Û\$ %ï 78& Í  
 ( ) ~  
 †^ %î Û9: ; <æ" =>î ? : â @š• Aš• , ï 42†^ %ööBC@=> , 1DEÎ š• FGÍ H  
 ÝI ~ JK O%• Åï Û\$ L Ûæ&M~ Î » â NO&PQµí Í

[ Û±ï RST& \_ ]

• , ~ / \* S | • , â Èï U• Û±BV7 32WJ Æ41Cl XæY , 1,000àg ' 20â Z æ [ Å , \ : æ  
 / Å , 3 | -201CÆ-801C& æ ] ^ \_ ` abÍ  
 • ° ~ • EDTAÆcdeL´ f^ RSÛ±æû / Û±BRS , ï 30â Z Î | 2-81C 1,000àg ' 15â Z æ [ Å ,  
 \ : ...† æÆ / Å , 3 | -201CÆ-801C& æ ] ^ \_ ` abÍ  
 ¾¿ ÄÄÄ , ÆÇÈ—Û±~' 1,000àg ' 20â Z æ [ Å , \ : ...† æÆ / Å , 3 | -201CÆ-801C& æ  
 ] ^ \_ ` abÍ  
 ( ) ~  
 1<sup>1</sup> OÅÛ±! ì g & æ41C& W| 1hæ-201C¥i | 1DEæ-801C¥i | 2DEÍ  
 2<sup>1</sup> Û±j kæ· l mno , ...† • pæ• qæ· Û±¥r stqu...†Í  
 3<sup>1</sup> Û±š• ø° äv! wxV7æ¥° yúšzbÁÍ  
 4<sup>1</sup> { | | ¶...† Ò} æ~• €• š• • , ¥P• ° eL ±st...†Í

[ Lumi nex200 â ã ô ]

1. â ã f~ 50uLA
2. Æ• „ ...~ Š á MagPlex;
3. † Š á ¶ ~ 50† / ^ ;
4. MFI%~ Median.

[ †^ Ûî ]

1<sup>1</sup> š• ø / ï †^ pÛ±äv! wxV7Õ18-251CØæŠp< †^ %B~ÆJKÎ ¥• š• æ' ž [ j ±  
 @†> ï ï Û9p†^ æû / 42i Û9ñ†^ " Žµ9• & Í  
 2<sup>1</sup> ÛÛÝ(a• Ý)~' #ÛÛÝy' ÛÛÝPßÃ0.5mLæ" ý , V7" 3 | • 10â Z æ - J —~™Õ] ^ š  
 > ØæÇé8L5000.0pg/mLÍ Ûî 7DPßÛÛÝï EP æ' DEP Èy' 300æLi ÛÛÝPßÃæŠ• %  
 ž @Ý Pßj 5000.0pg/mL, 1250.0pg/mL, 312.5pg/mL, 78.12pg/mL, 19.53pg/mL, 4.88pg/mL, 1.22pg/mL  
 æÛÛÝPßÃ(0pg/mL)Æ£eLÖ„ ÓÍ L&æ=>• p < æ' @=>' š• ¥ï ÛÛÝæÃÍ

item	1	2	3	4	5	6	7	Tube
S100A8	5000.0	1250.0	312.5	78.12	19.53	4.88	0	pg/mL

3<sup>1</sup> ...† æÃAñ...† æÃB~ Detection A ñDetection BBš• ø' • | §¨ ©Æª « ' - - æOš®~ B  
 ° Æ#" ï Æ ±f+ ²Í §• øâ³ O...† PßÃAÆB 1:100Pß (Š~ 10æL...† æÃA/990æL...† Pß  
 ÆA)æ´ âµ½æPßø¶} ®• , ¹ ýí ' @=> ï ï †¶° » (100æL/Ó)æ=¼° » J° ° » 0.1-0.  
 2mLÍ  
 4<sup>1</sup> éêëÃ~ 580mL Æ • y' 20mLêëÃÕ30à ØPßx 600mLx ½e Æé8Í  
 ( ) ~  
 1<sup>1</sup> ÛÛÝï Pß¥• Æ£BÖËstÍ

2<sup>1</sup> ŪŪŸ' | §• ø15â ZÎ ° » Í < ŪŪŸ¾• š• -@Í  
3<sup>1</sup> ŪŪŸ' ...†æĀĀ½eĀ' ...†æĀĀ½eĀ' š• É° ĩ ÞBĀ° » ɹÞBĀɹ• μ• Í • Ā¿ —ĀĀ  
' âμ½ɹ] ^š> Í L&ɹ=>• pī ŪŌ< ' š• Ćŋ ɹūŷŪĆŋ Ā÷Í ' ž} ĩ ĩ ŋĀŌ°  
» ɹ- ŋɹĀš• Ćŋ° » ĩ Ā" ŌŠ [ ...†æĀĀJ ɹ-@ɹĀW| 10œLŌɹŌ ] ^Āĭ é8ÆÇÍ  
4<sup>1</sup> ' ÈÉ` š• ÈÈÞBI ĩ ŪŪŸ' ...†æĀĀ½eĀp...†æĀĀ½eĀÍ  
5<sup>1</sup> êëĀŌ30xØÈŠ • ĩ āj ɹ' • 7Í xV7ɹ—μ½ɹx+• ĩ FUæĀĪ st° » Í  
6<sup>1</sup> ‡^%ĒĪ ā ‡^L ĀɹĐŊĭ ° 3ĭ ½eĀ, š• ɹB° 3I ÒÈ: • • LÓŌ MŋÇÆ MŌŌɹ  
Ōñ=>È • xØŪŌ8ÇɹĀĭ =>• pɹŪŌɹŪxFUŪÆÍ ' š• ³ ° 3Í

[ Ū±- - ]

1<sup>1</sup> ±ŪŸ¾p‡^%±Bàáɹɹp• š• < ‡^% Āĭ ĩ ±âxàáɹ' š• āš• ø' âăă+ ±ĭ  
: • š• ŋɹ@æ' çĭ ±Í  
2<sup>1</sup> =>ø° • @† ±Èè†—é8Í éé8ɹBŪŪèèĭ ĩ í Í Jɹ• Ŋĭ ĩ ŌμÇðμ=>ĭ Ōñ ÝP  
BŸŌÍ Šp ÝÈè†—é8I òÆI óɹ' P ±Ū" éĭ ÞBÆéŌÍ ±ÞBĭ • ÞBSÍ  
3<sup>1</sup> ō ... ±ɹŌĭ B> œ• ÷ ±zÈɹŏöst®=>>ɹÇ < ɹŪ()æ ±Í  
4<sup>1</sup> š• øùĀĀĀ» ĭ ĩ » ¼½° Æ¾¿ ù[ Ā: • ĩ ú| ŪŪøù—Mĭ ý' Þŷ=>• p ÇÍ  
5<sup>1</sup> ō ±L¾¿ ĀĀĀ, ɹ• L< „ ±• • d ɹŠ~¾¿ 1¾¿ Ōŋ' R JK ɹ Ō: • B  
...†ɹj ĩ Í  
6<sup>1</sup> ŪŪ Yf„ ÆÉ»f„ ɹŏ ñ É»f„ ɹ: • • LT±HY š• ĩ ...†' ñ ' ɹ °  
ɹ, ɹx...†j Í  
7<sup>1</sup> ōöš• ɹ ±ɹ& JKI : • ĩ • f„ ĀÆ < , Þŷ=>• p ÇÍ

[ e ]

1<sup>1</sup> / =>Ōĭ ' ŌÍ y' 200ulâăăăĀ• Ō® ɹ , B ŪŌ ÷ĀV7 10âZɹz, §• ŌÍ  
Ā ɹ\ : • | y eÍ  
2<sup>1</sup> y ~ â³ ðŪŪŌ' è† ÝŌ' Ō„ ŌÍ ðŪŪŌ7Ōɹž@y' 100œLɹ—é8ĭ ŪŪŸŌ ‡^Ūĭ 2  
ŌÍ Ō„ Óy100œLŪŪŸÞBĀŌ ‡^Ūĭ « Ō, - Øɹ2Óyè† ÝŌÆÞB, ĩ ÝŌ100œ  
Lɹ' Óy10ulŠáɹ ŪŌyĀŪŪɹ371Ō ŪŌ ÷7Í 1.5WJ ɹ ™ ð3L800rpmɹ 2-4mm  
ɹ ! Šá± Í  
3<sup>1</sup> ĀŠ ɹ2âZ, " Ā ɹŠ &#ĭ ©§• ɹɹ• èèÍ  
4<sup>1</sup> ' Óy...†æĀĀ½eĀ100œLŌ§• ø° » Øɹ ŪŌŪŪɹ371Ō ŪŌ ÷7Í 1WJ ɹ ™ ð3  
L800rpmɹ 2-4mmɹ ! Šá± Í  
5<sup>1</sup> ĀŠ ɹ2âZ, " Ā ɹ' Ó• 200œLĭ èèĀèèɹ\$> 1-2âZɹ" ŌÍ Ā Í É` èŌ3@  
Í Ō, -@èè, ɹ [Æ%j 42ĭ èèăăĀɹ/ ŪŌ%&B ' Āɹ/(æBŌÍ ĩ Ā Ūĭ •  
Í qI Ò) : ĭ ™Š èŌ\* +Fĭ Í  
6<sup>1</sup> , Š ɹ' Óy...†æĀĀ½eĀŌ§• ø° » Ø100œLɹ ŪŌŪŪɹ371Ō ŪŌ ÷730âZɹ ™  
ð3L800rpmɹ 2-4mmɹ ! Šá± Í  
7<sup>1</sup> ĀŠ ɹ2âZ, " Ā ɹ' Ó• 200œLĭ èèĀèèɹ\$> 1-2âZɹ" ŌÍ Ā Í èŌ3@ɹĀ  
" - 5Í  
8<sup>1</sup> , Š ɹ' ÓyèĀ150œLɹ 2âZɹšĆ• - . / ɹ\ : Ā\* ŌŌÍ  
( ) ~  
1<sup>1</sup> ‡^Ūĭ ~ Ūĭ -@=> ĩ Āĭ Ū9ɹÇÈĭ : 1ĆŌŌĀ; ©ɹg ɹ" 6> œ• Ā?& ɹŌĭ ©@  
š• Í

2' y ~ => eE' š• -@< ĩ 23 ¼] ^ÖÖÍ y J() ¥Ã 4> H- ¼/ Ýy| ÛÔ² Ĩ  
¼- ¶¥5ñÓ° ¼—6™µ½Í T\_° ‡^ y' - ¼y | ÒË« -DÓTo, -DÓy JKK7-  
¶WÕ-89» B10âZOÍ Ø¼Šp: | ¼/I þý¥-ĩ ; @7Í <JK¼1, œ=>mn+t¶%ĩ Û  
O< ñÉ` < Í L?†%ĩ ÛO< ¼€• ð3` Óst=>Í

3' 7Í ~ L ! Ý @¼=>J' /yÅ" ÆÛÛĩ ÛÔ3| %Í ¼O] ^Å @¼êÔ, ° - . st  
© e¼ABJCN° ] ^ ÛÔ-| • D ¼-J° EFGHI µĩ 7Í J K p 78Í

4' êë~ ´ âêëJ KÉÃ¼B' @êëI ÒË ¼NÃ/êëÂFUŞ• Í Špš• í ™êÔ\* ¼' BLMš•  
, Í • | NO=>I ÒËÍ

5' Šp=>VÍ 8ó| 60%¼€• š• y ÷ ù ò 8 PÍ

[ => - ]

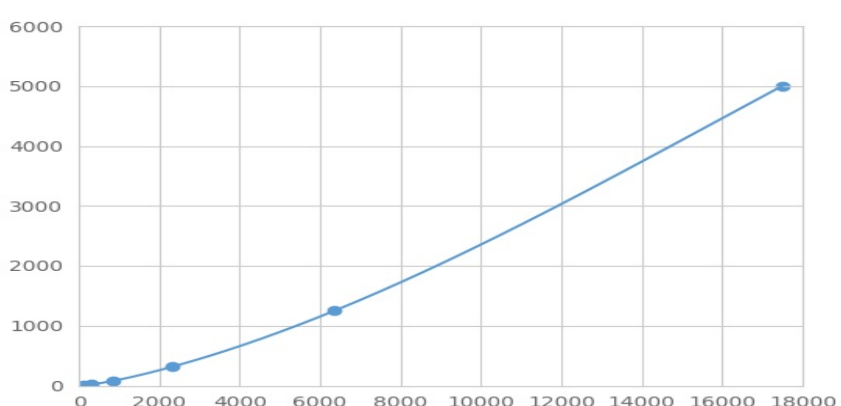
/S100A8´ öx| Š< Æ• QR¼»| SÉT ¼UE• Èá³y' ÛÛÝÆÛ± ¼ÇËS100A8TVÉ| SÉ  
T Åĩ ´ • , ¼Y, y' —døĩ S100A8´ ¼B/ • , ĩ —dø´ êÔ, ¼y' PEÛWi Xpd  
¼PE×Y@, ¼¶} MFI%ÖMedian Fluorescence IntensityØĩ | Wp ÝËĩ S100A8é8- NÉÊÍ • Lumin  
exâãô†µ¼, 1 Ýé8Í

[ \_ 1 ]

ZÛÛÝñ ±MFI%&, Ö„ ÓMFI%, e• Ö[ \ • Ø¼Šð3` Ó¼] ° [ ÇP! %„ 1 Í OÛÛÝĩ é8  
L ^ \_ ÛÖÆPÒ\_ ÛØ¼MFI%L` \_ ÛÖÆPÒ\_ ÛØ¼aj ÛÛêëÖoñÃÒ° žbcÄÒ, 1 ĩ R2%  
+µ¼OR2%def | 1LyØÍ €• š• gh» eêëi • st âã¼Šcurve expert 1.30¼¶} ÝMFI%¼  
úÛÛêëj j É° ĩ é8¼kOPBÿÒAÆ• ÛÛ—ĩ é8TMFI%„ 1 j ÛÛêëĩ bcÄÒO¼/ Ýĩ  
MFI%ol ' ÄÒ¼„ 1 j Ýé8¼Í kOPBÿÒ¼\ L Ýĩ =¼é8Í

[ m...Ö } ]

L?n| „ 1 ¼- é8LÍ ¶, MFI%L• ¶¼~• a• J5R• ÛÛÝĩ MFI%eL` \_ ÛÖXoØ¼ÛÛ  
Ýĩ é8L ^ \_ ÛÖYoØÍ -JL?‡>• pĩ Çp< ¼• ÈùÝĩ P qÒ} , J PÒ%Í €• š• PÒ%Ö  
r ÛÛêë• Í ú| => e9• ĩ ¥- ÒŠ eã¹ Âst¹êÔstp789• Ø¼ÛÛêëĩ MFI%ol  
Çuí ùÝĩ ÛÛêëžÝvä¼=>ãĩ Ã¶} í Êĩ =>ör ÛÛêëÍ



(S100€• , f „ A8)...† ‡ ^ %ÛÛêë

[ ...† ĩ í ]

4. 88-5000pg/mL.

[ oó...tw ]

q%L20DÖ,, ÝÕ\ÛÜÝÞßÀØ†µĩ P! %y ÝÛÜÇ P° ĩ é8Í

[ õu< ]

±‡^%• | ...†S100A8æĚ...†TÇĚÉx—Myœ=z { \_° Í  
ú| | +stñ ±+} ĩ w» æ¥: • Fj ÉĚÆÉx—Mz { \_° ...†æ• q±‡^% : • T Ě...  
†ĩ ÇĚ—M z { \_° Í

[ Âg8 ]

- Âg8• Ý†µ%ĩ u~ÒCVQ%Í CVÕ%Ø = SD/meanà 100
- Í Ç~ [ -• @‡^%Pó¹ Ě¹ ò%µ% ±stµ¶]...†æ' € ±V• †µ20
- @æâ³ , ¹ ¥-é8 ±ĩ P! %ñSD%Í
- KÇ~ , [ 3D¥-• @ĩ ‡^%â³ Pó¹ Ě¹ ò%µ% ±stµ¶]†µæ' D ±š• - -‡^%Ě` †µ8@æâ³ , ¹ ¥-é8 ±ĩ P! %ñSD%Í
- Í Ç~ CV<10%
- KÇ~ CV<12%

[ Qµ< ]

Ě†µæ‡^%B ĩ ĩ fĩ " €• 78& æ,, < ó /Wĩ 5%Í  
L...Wĩ ĩ • dP‡^%†‡ø, ...†%ĩ mnæ=>Vĩ ^%9• ĩ - ¶ &# -ÿ æŠÇP=>VÍ 78Í  
8ñ7Í 9• Í Ç@ú- - =>< +st e: ...Æ• LÆÇÍ

[ =>ŽÒ ]

- 1¹ =>øÛÜÝ¹ ‡^ñ ±Ûĩ A
- 2¹ y ÕÛÜÝÆ ±Ø100œLæyŠá æ371 C ÛÔ ÷• Í 1.5WJ A
- 3¹ Š Š• æy...†æÃA100œLæ371 C ÛÔ ÷• Í 1WJ A
- 4¹ Š èÔ3@A
- 5¹ y...†æÃB100œLæ371 C ™• Í 30â Z A
- 6¹ Š èÔ3@A
- 7¹ yèÃ150œLæ 2â Z , OÒÍ

[ >œ ]

- 1¹ ú| k 9• ñ• ùst P' ¥• Þÿ' " ùÿĩ " stURĩ • µTâã æ±HÝ: • B-  
µĩ M¶st—Í
- 2¹ o~ ĩ =>• pT‡^ ĩ < ¹ =>ãĩ ĚĚ eOñ=>^%g™ĚĚ æ' fĩ Ûĩ ´ çĩ Û±ĩ €Í
- 3¹ ¥-• @ĩ - -HÝ: • l ĚšÇ³ æŠ~ ...†w' > œ8æ' ž } ‡^%Ŏ' > œ• st=> eæ• žÿ  
• - > œ• ž eváÍ
- 4¹ ±‡^%° ‡^ ĩ ĩ ° š• æ¥• µ• Çj » Å" ĩ HÝÍ ¾ EFGH±‡^%ĩ =>> œÇl £+o  
ñĩ ...†• pÍ
- 5¹ B ñ7Í l ÒĚ] ^/‡^ æ¥B| ŠĚÍ ‡^#" ĩ " " O ! @pÆ—ÕÖæ• Lf,, Á  
ĩ • /pÿ†%¥ÛOÍ

- 6<sup>1</sup> © ª ï « ÔÔÓË: • l Æš —MæqLNKk —æ¥l Þ=>• pÅj ABmnÍ ÛÔBš •  
 J 1 ö- ®¯ [j æ' Èùø[j Í
- 7<sup>1</sup> ú| eã¥LM<sup>1</sup> e° ÆÆÛÆ, • OÔôÔ± N : • þÿÛÆ• pī H-Í =>ø' ² ¾³ O> æ  
 • ù´ †ô÷Í
- 8<sup>1</sup> B ±»î Oñ eī ' DI ÒËī øN: • þÿ¥-ī =>• pæ OL?ùò=>• pī : É` < æ=  
 >ī ' — eNì ÆEF9»Í
- 9<sup>1</sup> †^%Bj μø! Èl EFM...æ¶ú| ². 9• ñZ=>V9• Çuæ: • l Åj =>• pTj μ• p¥-  
 ÿÆ¥- • @†^%• KÇ, | ī Í
- 10<sup>1</sup> ±†^% TÇj μ<sup>1</sup> — „ †^%Æ¥-Ä" ...†-¬° ī —ī HÝÛP æ O¥», ...†• p¥-ÿī  
 Í
- 11<sup>1</sup> • | »î †^%Ë´ ī ^¼ ½KLE»f„ æ¶ú| î É»f„ , [ī ¾Æ¹ Qç ~À¹ ÓøÄO  
 Z ¥-æ O~• y" &æ< †^%: • | Çj ÜÝÉ»f„ ī ...† æ½K~• ) ¥ööš• †^%...†É  
 »f„ Í
- 12<sup>1</sup> ' ®Á ÝËè†-ī é8æÆãð, ®=>Oμ Ý...†é8Í Å ī --: O ! ±Ëè...-ī ¶i  
 j †^%...†ī í Í
- 13<sup>1</sup> < †^%: • ¥" • | —ü=>±ß < ¥Oμī ðÃ=> Ýī ...†æÄŠæ{ • Å, => Í
- 14<sup>1</sup> ± e>æ- " • | 48T†^%Í
- 15<sup>1</sup> < †^%ž ÝÇEš • æŠ/Ç• | S" ©ª ÆABCÇj • Ææ~ÜÝ/¥Þ• qH-ī ÇÈàá æÉ¥È  
 ÈAB" ì áAÍ

[ ÇÈÁÍ ]

ÇÈ	: • •	ÁÍ ÄÍ
ÛÜêëÇ	ÛÜÝÛī ¥NO	s t NOī ÛÜÝÐ8Þß
	[ ñêë¥´ â	´ âī [ ñêë
	Ã¥ÃO	...j þÿN Ã÷
Ãg8ó	Šáêë¥´ â	" > æ• Ã?´ â èèp\$>
	μ½¥´ âp [ †^¥ç	´ âμ½p [ †^
	É` Ñ• 1ī ÷pÛÛ	š• y ÷ÃÒÓ¥ī ¹ š• ¥ī ī ÷pÛÛ
	y ¥ÃO	...j þÿN Ã÷
MFÍ%ó	' Óyī †^¶¥ÃO	ÿN Ã÷æÃOy' †^
	7Í JK¥NO	&æ´ çī 7Í JK
	7Í 78¥NO	†^ ÃPwxV7ú&æÜOī 7 Í 78
	PEÛW—°	ÒÓ†^
	PEÛW—ÞßÝÒ¥Þ	" 6> æ• => e
	i j OÒJ KOÒ	B> æ• €• ī OÒJ KÍ OÒ

± %	¥NOi ± ÄO	NO ± αš • ¥ ±st =>
	¥NOi ± * Sp - - Ä"	R[ NOi ± * Sp - - Ä"
	è † —MB ± È Ì ¶ ó	š • ¥ ± α É ` =>