



Ý i Ç E ø - ¥ | - § .. © a « !

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¬ - ®

### [ - ° ± - ]

2 ^ % Š 3 - ' µ i ' " " ¶ · ≠ ¶ Š , 1 ° , » ° ¼ ½ ¾ » ° ç Å Å Å Å ° ç Å Å Å Å ° Ç È É È È — ~ Å i  
l AST I . T

### [ ^ % Š I D ]

^ % Š O	Ó.	^ % Š O	Ó.
96 Ø Ø Ö × Ø Ù Ú	1	96 Ø Ø Ü Ü	4
Ý P B	2	Ý P B à á Å	1â 20mL
< å	1	ä å æ ç Å	1â 20mL
† ≠ è Å A	1â 120éL	† ≠ à á Å A	1â 12mL
† ≠ è Å B Ö P E - S A U	1â 120éL	† ≠ à á Å B	1â 12mL
é Å	1â 10mL	ë ï í Å Ö 30â Ú	1â 20mL
> — œ• Ž	1		

### [ í ï Õ ñ ò Õ ó ^ % ]

1° Lumi nex MAGPI Xô ¥ Lumi nex 100 ö ¥ Lumi nex

200 ö ¥ Ç Bi o-Radô, Bi o-Plexo ä å ö Ö ÷ ø ö ù - ú û ú - ü , ý þ ý í + þ Ú

2° • Ç • . Å ù ó

3° à á B ñ EP .

4° Ç '

5° <

6° ï Å ñ Ð ù

7° 0.01mol /L Ö Ç 1â Ú f æ ç (PBS) ¥ pH=7.0-7.2

8° ù

9° ... Ý Ö ù

### [ ^ % Š ñ ó ° ]

1°  $\tilde{n}^{\%}\tilde{S}^{\text{TM}}$   $\tilde{S}^{\%}\tilde{S}!$  "  $\tilde{S}^{\%}\#Y\tilde{S}\tilde{A}$   $\tilde{S}^{\&}$   $\tilde{S}^{\prime}$  ( )  $\tilde{S}^{\ast} + \tilde{S}^{\%}\tilde{S}$ , ' - . /  $\tilde{S}^{\text{P}\tilde{B}\tilde{O}}$   $\tilde{S}^{\#}\tilde{S}\tilde{A}$   
 °  $\tilde{S}^{\#}\tilde{S}\tilde{A}\tilde{B}\tilde{O}\tilde{O}$  &  $\tilde{S}^{\#}\tilde{S}-2010$  C $\tilde{S}^{\#}\tilde{E}$   $\tilde{S}^{\#}\tilde{S}$  2  $\tilde{S}^{\#}\tilde{S}$  3  $\tilde{S}^{\#}\tilde{S}41$  C&  $\tilde{S}^{\#}\tilde{S}-\tilde{S}$   
 2° > - ,  $\tilde{n}^{\%}\tilde{S}^{\text{TM}}$  42  $\tilde{S}^{\#}\tilde{S}5$  " 6  $\tilde{S}^{\#}\tilde{S}$   $\tilde{S}^{\#}\tilde{S}78$ &  $\tilde{S}^{\#}$   
 ( )  $\tilde{S}^{\#}\tilde{S}$   
 ^  $\tilde{S}^{\#}\tilde{S}$  I ...Y9: ; <  $\tilde{S}^{\#}\tilde{S}$  = >  $\tilde{S}^{\#}\tilde{S}$  ? : ä @ > - A > - ,  $\tilde{n}^{\#}\tilde{S}42$   $\tilde{S}^{\#}\tilde{S}$   $\tilde{S}^{\#}\tilde{S}$  BC@=>, 1DEI > - FG H  
 BI ° J KOŠ'  $\tilde{S}^{\#}\tilde{S}$  Y\$ L P $\tilde{S}^{\#}\tilde{S}$  & M°  $\tilde{S}^{\#}\tilde{S}$  ¼ä NO&PQ $\tilde{S}^{\#}\tilde{S}$   $\tilde{S}^{\#}\tilde{S}$

### [ Ý² ñ RST & ]

, 1  $\tilde{S}^{\#}\tilde{S}$  / \* S $\tilde{S}$ , 1 ä  $\tilde{S}^{\#}\tilde{S}$  ñ U,  $\tilde{S}^{\#}\tilde{S}$  BV7 32WJ Ç41C XYY, 1,000 $\tilde{S}$  g " 20ä Z  $\tilde{S}^{\#}\tilde{S}$  [  $\tilde{S}^{\#}\tilde{S}$  ]  $\tilde{S}^{\#}\tilde{S}$   
 /  $\tilde{S}^{\#}\tilde{S}$  3S-2010Ç-801C&  $\tilde{S}^{\#}\tilde{S}$ ]  $\tilde{S}^{\#}\tilde{S}$  ab $\tilde{S}$   
 , »  $\tilde{S}^{\#}\tilde{S}$ - EDTAÇc deL $\tilde{S}^{\#}\tilde{S}$  RS  $\tilde{S}^{\#}\tilde{S}$   $\tilde{S}^{\#}\tilde{S}$  /  $\tilde{S}^{\#}\tilde{S}$  BRS,  $\tilde{n}^{\#}\tilde{S}30$  ä Z  $\tilde{S}^{\#}\tilde{S}$  §2-81C 1,000 $\tilde{S}$  g " 15ä Z  $\tilde{S}^{\#}\tilde{S}$  [  $\tilde{S}^{\#}\tilde{S}$   
 \:  $\tilde{S}^{\#}\tilde{S}$   $\tilde{S}^{\#}\tilde{S}$  /  $\tilde{S}^{\#}\tilde{S}$  3S-2010Ç-801C&  $\tilde{S}^{\#}\tilde{S}$ ]  $\tilde{S}^{\#}\tilde{S}$  ab $\tilde{S}$   
 ¼½¾»  $\tilde{S}^{\#}\tilde{S}$  | ghi ñ ¼½j  $\tilde{S}^{\#}\tilde{S}$  ñ k" | | g  
 1Ú[ • · ¼½m $\tilde{S}^{\#}\tilde{S}$  B- n PBSÖ0.01mol/L $\tilde{S}^{\#}\tilde{S}$  pH=7.0-7.2Ú | 1 i o, Ä  $\tilde{S}^{\#}\tilde{S}$  ¾» úpØq $\tilde{S}$   
 2Ú/ ¼½r s Wm $\tilde{S}^{\#}\tilde{S}$  ! ¾ñ t 3BuÆñv wx ÅÄæçÃ(yz IS007 $\tilde{S}^{\#}\tilde{S}$  ± { | } Y~Øñ• ð Å¶€•  
 , | ghi ñæçÃ)ñf, ! Mùl Ö• Wñ ¼½...t  $\tilde{S}^{\#}\tilde{S}$  ^ Ú ÖM· | % $\tilde{S}$ =1:20-1:50 $\tilde{S}^{\#}\tilde{S}$   $\tilde{S}^{\#}\tilde{S}$  1mLÅÄæ  
 çÃl Øt 20-50mg ¼½ 2 Ú  
 3Ú/ • + ñŽ• Ä• | ' ' " " • - 1  
 4Ú/ j  $\tilde{S}^{\#}\tilde{S}$  ñ ¾» Ä 10,000 $\tilde{S}$  g " 5ä Z  $\tilde{S}^{\#}\tilde{S}$  —  $\tilde{S}^{\#}\tilde{S}$   $\tilde{S}^{\#}\tilde{S}$   $\tilde{S}^{\#}\tilde{S}$  3S-2010S &  $\tilde{S}^{\#}\tilde{S}$   
 ð ÅÄÅÄ  $\tilde{S}^{\#}\tilde{S}$  ÇÈÉ—  $\tilde{S}^{\#}\tilde{S}$  1,000 $\tilde{S}$  g " 20ä Z  $\tilde{S}^{\#}\tilde{S}$  [  $\tilde{S}^{\#}\tilde{S}$  ]  $\tilde{S}^{\#}\tilde{S}$   $\tilde{S}^{\#}\tilde{S}$  /  $\tilde{S}^{\#}\tilde{S}$  3S-2010Ç-801C&  $\tilde{S}^{\#}\tilde{S}$   
 ]  $\tilde{S}^{\#}\tilde{S}$  ab $\tilde{S}$   
 ( )  $\tilde{S}^{\#}\tilde{S}$   
 1° OÆÝ²!  $\tilde{S}^{\#}\tilde{S}$  &  $\tilde{S}^{\#}\tilde{S}$  41C& W $\tilde{S}$  1œY-2010 | ' | 1DEY-8010 | ' | 2DE $\tilde{S}$   
 2° Ý² • žè, | Ý | ,  $\tilde{S}^{\#}\tilde{S}$  F E $\tilde{S}^{\#}\tilde{S}$  • ^ è, Ý² |  $\tilde{S}^{\#}\tilde{S}$  |  $\tilde{S}^{\#}\tilde{S}$  |  $\tilde{S}^{\#}\tilde{S}$  |  $\tilde{S}^{\#}\tilde{S}$   
 3° Ý² > - Ú±æ" ! ©• V7 $\tilde{S}^{\#}\tilde{S}$  |  $\tilde{S}^{\#}\tilde{S}$  |  $\tilde{S}^{\#}\tilde{S}$  |  $\tilde{S}^{\#}\tilde{S}$  |  $\tilde{S}^{\#}\tilde{S}$   
 4° « S- ·  $\tilde{S}^{\#}\tilde{S}$  O|  $\tilde{S}^{\#}\tilde{S}$  - ®° > - , 1 ± | P, » eL  $\tilde{S}^{\#}\tilde{S}$  |  $\tilde{S}^{\#}\tilde{S}$  |  $\tilde{S}^{\#}\tilde{S}$

### [ Luminex200 ä å ö ]

1. ä å | % $\tilde{S}^{\#}\tilde{S}$  50uLA
2. • Žhi  $\tilde{S}^{\#}\tilde{S}$  MagPlex;
3.  $\tilde{S}^{\#}\tilde{S}$   $\tilde{S}^{\#}\tilde{S}$  50 $\tilde{S}$  /` ;
4. MFI $\tilde{S}^{\#}\tilde{S}$  Medi an.

### [ ^ % $\tilde{S}^{\#}\tilde{S}$ PØ ]

1° > - Ú/ ñ ^ % $\tilde{S}^{\#}\tilde{S}$  Ý² æ" ! ©• V7Ö18-2510Ú $\tilde{S}^{\#}\tilde{S}$  E $\tilde{S}^{\#}\tilde{S}$  ^ % $\tilde{S}^{\#}\tilde{S}$  B- · J K $\tilde{S}^{\#}\tilde{S}$  | , > - ¥' Ý[ •  $\tilde{S}^{\#}\tilde{S}$   
 @^ > i ñ ...Y9 ^ % $\tilde{S}^{\#}\tilde{S}$  Y / 42ñ...Y9ö ^ % $\tilde{S}^{\#}\tilde{S}$  1 ¶ 9° &  $\tilde{S}^{\#}\tilde{S}$   
 2° ÝPØ(a » B) $\tilde{S}^{\#}\tilde{S}$  ¼#ÝPØØt ÝPØàá Ä 0.5mL $\tilde{S}^{\#}\tilde{S}$  ½y, V7¾3- ð 10ä Z  $\tilde{S}^{\#}\tilde{S}$  g J ÅÄÅÄÖ] ^ Ä  
 Ä Ú $\tilde{S}^{\#}\tilde{S}$  Èë8L 10.0ng/mL ØDàá ÝPØñEP  $\tilde{S}^{\#}\tilde{S}$  ¼DEP | Øt 300ÅLñÝPØàá Ä  $\tilde{S}^{\#}\tilde{S}$  % $\tilde{S}^{\#}\tilde{S}$   
 @ÇSàá s 10.0ng/mL, 2.5ng/mL, 0.62ng/mL, 0.16ng/mL, 0.04ng/mL, 0.01ng/mL, 0.0ng/mL $\tilde{S}^{\#}\tilde{S}$  ÝPØàá  
 Ä (0ng/mL) È É eL x ØØt L & È = > F E ØY ¼@= > ' > - wñÝPØè Ä

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

3° †‡èĀAó†‡èĀB™Detection A óDetection BB> - ú' - Ěì ū řčí ū " " " ¥O> ĐÑB  
 ÓC#½ñĀj ~ %+ Øí " - úä ØO†‡àáĀAÇB 1:100àá (‡™10ÅL†‡èĀA/990ÅL†‡àáĀA)¥Óä Ö¾¥àáúx | - pØÙý ñ¼@=> ī ñ²· Új (100ÅL/Ô)¥=ÛÚj J ± Új 0.1-0.  
 2mL†

4° ēì í Ā™580mL Ç ' Øt 20mLí ā Ö30â Úàá • 600mL• ÜeĀè8î  
 ( )™

1° YPBñàá | , ÈÉBÖl ¥| ī

2° YPB' S" - ú15äZí Új ī ¶YPBÝ , > - - @†

3° YPB° †‡èĀAÜeĀ° †‡èĀBÜeĀ' > - Ě±ñàáĀÚj ¥àáĀ| , Ö-† - ĀPÀÀBà  
 Öä Ö¾¥] ^ĀÄl L&E=>¢EñPOŒ' > - • . ¥ý P• . Äù†' { | ī ñ· áOÚ  
 j ¥- · | †> - • . Új ñk" Ö‡ [ †‡èĀAJ ¥- @| †W§10ÅLÚ¥O] ^âsë8ää†

4° ' åq` > - æ· àál ñYPB° †‡èĀAÜeĀ †‡èĀBÜeĀ†

5° ī ā Ö30xÚl †¢çå· ¥' p7è• V7¥ÀÀÖ¾¥• + ¢çF UèĀé¥| Új ī

6° ^‰S̄l ēä ^‰L Å¥ëi ī Ú3sÜeĀ, > - ¥BÚ3l ī : , • L† ī M· äC MÐñ¥  
 Oó=>l - ðóôï 8ä¥âs=>¢E| PØ¥ö• FUöä†' > - ' Ú3†

### [ Ý² " " ]

1° 2 ÷ ØÝù ^‰S² úûü¥| ù• > - ¶ ^‰S âsñ 2 ýòûü¥' > - þ> - úÖäý + 2ñ  
 : , > - · ¥- Ø ñ 2†

2° =>ú±p- † 2l †~ë8l ë8l BÝP ñ ī J ¥- i O¶È ¶=>nj Bä  
 áçöi †E Bì †~ë8l Çl ¥' ù 2þ• ñàáçë ī 2àáí - PBS†

3° † 2 | ī Bœ• ž 2a l ¥÷ø¥| = >> ÈÈ Ø¥ý( ) 2†

4° > - ÅÄÄj ðñ¼½¾» Çz Äu[ Ä: , I S ~ Mñ t =>¢E ä†

5° 2 Lz ÅÄÄÅÆ¹ ¥• L¶h 2 » • d ¥‡™z Ä °z ÄÓ °R JK! ¥ O: , B  
 †‡ | • ñ" #†

6° €Y ~ ØÇq ¼ ~ Ø¥ \$%&ó' &q ¼ ~ Ø¥: , • LT² Hß > - ñ†‡muí ó() muí | \* Ú  
 ¥± | Ü†‡ • ī

7° ÷ Ø> - wx 2 ¥& JK! +: , | • ~ Ø, ÄÇ- Ø± =>¢E ä†

### [ .e/O ]

1° / => Õñ¼Öl Øt 200ul äå aeç Ä- O- 1 ¥ 2, B...ÝÖ ùÆV73 10äZ ¥ª , ī » Öl  
 Äj ¥\: - §E . e†

2° Ø™ä ÖòÝPÖ° † BÖ° × ØÖl òÝPÖ7Ö¥{ @Øt 100ÅL gë8ñÝPÖ4 ^‰PÖ2  
 Úl × ØÖE100ÅLÝPßàáÄÖ4 ^‰PÖ-5/ i , - Ú¥2ÖE † BÖçàá, ñ BÚ100Å  
 L¥¼ÖE10ul < å ¥...ÝÖŒÆÜÜ¥371 C...ÝÖ ù7è1.5WJ ¥ Ä67ò3L 800rpm¥ 82-4mm  
 ¥9: < å~, ī

3° AE< ¥2äZ, - Äj ¥< &; ñ řl » ¥| - i ī ī

4° ¼ÖE†‡èĀAÜeĀ100ÅLÖ" - úÚj Ú¥...ÝÖÜÜ¥371 C...ÝÖ ù7è1WJ ¥ Ä67ò3  
 L 800rpm¥ 82-4mm¥9: < å~, ī

5° AE< ¥2äZ, - Äj ¥¼Ö- 200ÅLñi ī Äi ī ¥< Ä1-2äZ ¥— Öl Äj ī q` ī Ö3@  
 ī j , - @i ī , ¥ [ Ç=• 42ñi ī aeç Ä¥/ ...ÝÖ=>B ?Æ¥/ @ BÖl ñÄj Uê »  
 ī ī ...: ī Ä< ī ÖABFst

- 6° O< ¥¼ÔŒ† † è ÄBÜe ÄÖ“ – úÚj Ú100ÅL¥...ÝÖÜÜ¥371C...ÝÖ ù 730ä Z ¥ Ä  
67ò3L800rpm¥ 82-4mm¥9: < ä~, ī
- 7° AE< ¥2äZ, — Äj ¥¼Ô– 200ÅLñi i Äi i ¥<Ä1-2äZ¥— Öi Äj ī i Ö3@¥k  
" g / O5î
- 8° O< ¥¼ÔŒê Ä150ÅL¥ 3 2äZ¥> • ŽCŽD ¥\ : AEAEOî  
( )™
- 1° ^ %oPÐ™PÐ- @=> ī tñ...Ý9¥ÈÉñ: F• ÔÖAE; š¥> ¥" 6œ• ž t? & ¥OÐš@  
> - ī
- 2° ØE™=>. eł ' > -- @ØñGH ¥] ^ Øñî Ø J() | t | ÄH—¥/ BÆS...ÝÖÖê  
¥-· | J öÔÖ¥ÀÀKÄÖ¾î T\_± ^ %oŒt - ¥Ø | i l - DÔTj , - DÔØ J KKL-  
· WÖ- MNj B10äZ Öi Ú¥‡£O-¥/ | gñP- 7èQJ K¥F±• RSÝ +‡· µñP  
ØŒóq` Øi LT‡µñPØŒ¥- ° ò3` Ô¥| => ī
- 3° 7è™L9: B U¥=>J' / ØÆ½ÇÜÜñ...ÝÖ3§1Ši ¥O] ^ Äj U¥i Ö, ±- . ¥|  
š/. e¥VWJ XN±] ^ ...ÝÖ" §» Y ¥gJ±Z[ \ ] ^ ¶ñ7èJK 78î
- 4° i i ™Öäi i \_` q†¥B¼@i i i l ¥N†/i i ÄFUl » i †‡£> - i Äi ÖA¥' Bab>-  
, é- §cd=>i i l î
- 5° †£=>Vī 18 §60%¥- ° > - Ø1ùu 18 eî

### [ =>%" ]

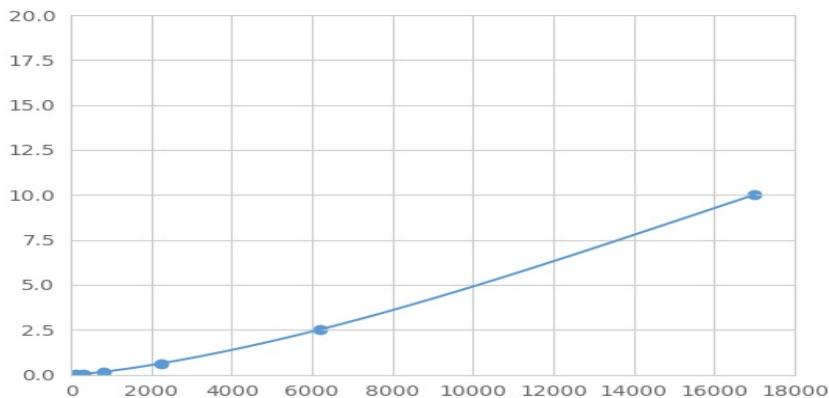
/ASTµi Ù§< Ø• Žf g¥j shÊi ; ¥j • Ži äÔŒt ÝPØÇÝ² ¥Èi ASTT k È§hÊi ; AE  
ñµi ¶l ¥Y, Øt—~ d ñASTµi ¥B/ ¶l ñ—~ d µi i i , ¥Œt PEÝmñn d¥PEÙoU  
, ¥x | MFIµ ÖMedian Fluorescence Intensity Üñ-W Bì ñASTë 8Cc ÈÈî – Luminexä å ö‡¶  
¥ØÙ Bë8î

### [ ØÙ ]

pÝPØÓ² MFIµ>o x ØÔMFIµ, eÆÖqr AEÚ¥‡ð3` Ô¥s± [ Èe! µØÙî OÝPØñë8  
Lt uÝÖÇùÓuÝÚ¥MFIµLv uÝÖÇùÓuÝÚ¥w• ÝP Öi kí d±{ xykí ØÙñR2µ  
B¶¥OR2µz { | §1L ýÙî - ° > - } ~j e • ° ¥| äå ¥‡curve expert 1.30¥x | B MFIµ ¥  
ÝP €• È±ñë8¥• OàáÇÓAÇ-ÝP- ñë8TMFIµØÙ• ÝP ñxykí d¥/ Bñ  
MFIµ, t kí d¥ØÙ• Bë8¥é• OàáÇÓ¥\ L Bñ=Ùë8î

### [ f i Øl ]

LT, §ØÙ¥- ë8Lî - · ±MFIµL• - · ¥- ®wÆJ 5R- ÝPØñMFIµeLv uÝÖX...Ú¥ÝP  
Bñë8LtuÝÖY...Úî gJ LT^ > ¶EñÈtŒ¥Æl u ñP%‡Ó| ±\_ùÓµî - ° > - ùÓµ÷  
^ ÝP AEî §=>. e9° ñ| gÖ‡. eþ° Ä%Š° i Ö%Š 789° ! Ú¥ÝP ñMFIµl  
ä< î u ñÝP ÝŒy¥=>þi t x | i æñ=> ÷ ^ ÝP î



(€• , f„ , ...)† ≠ ^ % Š Y P

### [ †‡ ]

0.01-10ng/mL.

### [ i\_†‡• ]

^ μL 20D×Ø BÖ\ Ŷ P B à á Á Ú † ¶ n e ! μŒ5Ç Ŷ P ä ù ± n è 8 ī

### [ <Œ ]

2 ^ % Š - S †‡ AST ¥• †‡ T È É È Ž ~ M • • R • ' \_ ± ī  
 Š' + % Š O 2 B " n • j ¥| : , F S È È Ç È Ž ~ M • ' \_ ± †‡ ¥• ^ 2 ^ % Š : , T • †  
 † n È È ~ M • ' \_ ± ī

### [ á>8 ]

á> 8- B † ¶ n - < " Œ CVf % ī CVÖ%Ú = SD/mean ī 100

• ī ä™ [ g • @ ^ % Š Ù ° l ° μ ¶ μ 2 ¥| ¶ · †‡ ¥ ¼ - 2 k - † ¶ 20

@ ¥ ä Ö Ø Ú ; g è 8 2 n e ! μ ö S D μ ī

• K ä™ • [ 3 D | g • @ n ^ % Š ä Ö Ù ° l ° μ ¶ μ 2 ¥| ¶ · † ¶ ¥ ¼ D 2 > - g - ^ % Š q ` † ¶ 8 @ ¥ ä Ö Ø Ú ; g è 8 2 n e ! μ ö S D μ ī

• ī ä™ CV<10%

• K ä™ CV<12%

### [ Œ¶Œ ]

• † ¶ ¥ ^ % Š B ° l ~ " - ° 7 8 & ¥™Œ, 7 / W S 5 % ī

L š W C ē • d ù ^ % Š > œ ú , †‡ μ n Ÿ ¥ = > V n • ž 9 ° i - - & - ¥ Ÿ E P = > V ī 7 8 ° 1  
 8 0 7 è 9 ° ī È @ g - = > B ¥ | . e : š | ¢ L ä ä ī

### [ =>Œí ]

1° => Ū Ŷ P B ° ^ % Š 2 P Ø A

2° Œ Ö Ŷ P B Ç 2 Ú 100 Å L ¥Œ < å ¥ 371 C... Ÿ O ù ø è 1.5 W J A

3° < l » ¥Œ †‡ è Å A 100 Å L ¥ 371 C... Ÿ O ù ø è 1 W J A

4° &lt; ï Ō3@A

5° Ⓛ†‡ è ĀB100ÅL¥371 C Å¤è 30ä Z A

6° &lt; ï Ō3@A

7° Ⓛē Ā150ÅL¥ 3 2ä Z , E ÖI

### [ œ• ]

1° Šž 9° ó¥ %oŠ e || , ù y Šú ñ %.. ¥| Ugñ©¶Täåå ¥² Hß: , B-  
¶ñM· %oŠª « î

2° i -ñ = > Ⓛ ET ^ %oñ Ⓛ° = > þñ È È. e Oó = > • ž > r È È ¥' ~ þðO ñ Y² ð- î

3° | g · @ñg - Hß: , I i - ä Ø¥‡™†‡• ° ®- 8¥' { | ^ %oŠí œ• ž ¥| = >. e ¥° ±²  
' ®œ• ž Y e E y î

4° 2 ^ %oŠÚ³ ^ %o Ú³ > - ¥| , Ö- È ' j å ŠñHßî Y Z [ \ ] 2 ^ %oŠñ = > œ• µl • + i  
ñ†‡ Ⓛ E î

5° B ó 7èl í l ] ^ / ^ %o¶· B , 1 l î ^ %o# ½ ½° O9: U • - ~ ðñ ¥• L ~ Ø Å  
...ñ» / ‡µ| P O î

6° » ¼ñ...½ÖÖÖl : , I i - ~ M¥^ L c ` ž ¾¥| I ù = > Ⓛ E å s V W Y î ...Y ÖB > -  
J F v ð Å[ • ¥' å û ú[ • î

7° Š. e þ| a b° . e Å å Çöä • - E Ööí Å! N : , öä Ⓛ E ñ H—î = > ú' Å ð Å E œ•  
ž y Å ^ ö û î

8° B 2 j ð Oó. e ñ ¼ Dl í l ñ- N: , | g ñ = > Ⓛ E ¥ O L T û = > Ⓛ E ñ: q` Ⓛ ¥ =  
> ñ ¼- / . e N î t Z [ Nj î

9° ^ %oŠB • Æú! • I Z [ M t ¥ç Š³ È 9° ó p = > V 9° ä< ¥| , I å s = > Ⓛ E T • Æ¢ E | -  
Ç| g · @ ^ %oŠ · K ä È - ñ " # î

10° 2 ^ %oŠ T È ' Æ È g h ^ %oŠÇ| g k " †‡ g - } ñ ~ ñ HßþùŠ¥ O| E o t †‡ E | - ñ  
" # î

11° - Šj ð ^ %oŠl µ| ñ ^ l %í ` L q ¼ ~ Ø ¥ç Š ð q ¼ ~ Ø • [ ñ î . ° f î " D ° î k d!  
p | g ¥ O- ®• " & È ¶ ^ %oŠ: - Š È ' ÷ ø q ¼ ~ Ø ñ †‡ ¥í ` - ®... | ÷ ø > - ^ %oŠ †‡ q  
¼ ~ Ø î

12° ' - Ñ B l † ~ ñ è 8 ¥ç þ ð Ø - = > O ¶ B †‡ è 8 î Ø ñ " : O9: 2 l † ~ î .  
• ^ %oŠ †‡ î

13° ¶ ^ %oŠ: , | • - Š - = > 2 ú Ⓛ| O ¶ ñ Ó = > B ñ †‡ ¥< †‡ ¥ « • Ôo = > ! î

14° 2 . e œ• g • - Š 48 T ^ %oŠ î

15° ¶ ^ %oŠ Y E¤ - ¥‡ / È - Š .. © a « Ç V W È ' - Ø ¥ - ÷ ø / | ù . ^ H - ñ Ö x û ü ¥ Ø | Ü  
Ú V W " Ü Ü V î

### [ Ö x Å Ü ]

Ö x	: , %•	Â Y k P
Ý P ä	Ý P B P ð   c O	¥  c O ñ Y P B B 8 a á
	[ ó i í   Õ ä	Õ ä ñ [ ó i í
	Ã   á O	† € c Å û



á> 8	< á ì í   Œä	" œ• ž †? Œä 3 ì í < Ä
	Œ¾   Œä [ ^ %o	Œä Œ¾ [ ^ %o
	q` à- ° Đù ÜÜ	> -Œ ù t á â wñ ° > -wñ Đù ÜÜ
	Œ   áO	† € c Āù
MFIμ	½Œœñ ^ %o.   áO	c Āù ¥á OŒt ^ %o
	7èJ K   cO	&Ê Œ ñ 7èJ K
	7è78   cO	^ %o † e © • V 7ý &Ê P Oñ 7 è 78
	PEÝ m ~ Á	á â ^ %o
	PEÝ m ~ à á ÇÓ   ù	" 6œ• ž = >. e
	' • EÓJ KEÓ	Bœ• ž - ° ñ EÓJ KÍ EÓ
² μ	cOñ ² kd	cO ² ¥> -wx ² ¥   = >
	cOñ ² * S " " k "	R[ cOñ ² * S " " k "
	‡ ~ MB ² l í .	> -wx ² ¥ q` = >