



LMB427Hu 96T

€• , f „ ...9(ADCY9)† ‡ ^ % Š

(< œ• Ž Lumi nex• • ' ' " ")

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> — œ• Ž

Ý i ¢ E ð> - ¥ | - § .. ©ª « !

¬ - ®

[- ° ± -]

2 ^ % Š 3 - ' μ i ' " " ¶ · ‡ ¶ Š , 1 ° , » ° ¼ ½ ¾ » ° ƒ Á Á Á Á ° ƒ Á Á Á Á Ä ¹ Ç È É È È — Á i
l ADCY9 l . 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 Á	1â 20mL
< á	1	ä á æ ç Á	1â 20mL
† ‡ è Á A	1â 120éL	† ‡ à á Á A	1â 12mL
† ‡ è Á B Ö P E - S A U	1â 120éL	† ‡ à á Á B	1â 12mL
é Á	1â 10mL	ë ï í Á Ö 30â Ú	1â 20mL
> — œ• Ž	1		

[í ï Ò ñ ò Ò ó ^ %]

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

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

2° • Ç • . Á ù ó

3° à á B ñ EP .

4° Ç '

5° <

6° ì Á ñ Ð ù

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

8° ù

9° ... Ý Ò ù

[^ % Š ñ ó °]

1° $\tilde{n}^{\%}\tilde{S}^{\text{TM}}$ $\tilde{S}^{\%}\tilde{S}^{\#}$ $\tilde{Y}^{\$}\tilde{A}^{\&}$ $\tilde{I}^{\cdot}()\tilde{Y}^{\ast}+\tilde{S}^{\%}\tilde{S}^{\#}$, $\tilde{I}^{\cdot}-\cdot/\tilde{Y}^{\$}\tilde{B}^{\circ}\tilde{P}^{\circ}\tilde{e}\tilde{A}^{\#}$
 $\circ\tilde{P}^{\circ}\tilde{e}\tilde{A}^{\#}\tilde{B}^{\circ}\tilde{O}^{\#}\tilde{O}^{\#}$ & $\tilde{S}^{\#}\tilde{-2010}\tilde{C}^{\#}\tilde{Y}^{\#}\tilde{E}^{\#}\tilde{2}^{\#}\tilde{S}^{\#}\tilde{3}\tilde{S}^{\#}\tilde{41}\tilde{C}^{\#}\tilde{D}^{\#}\tilde{I}^{\#}$
 2° $\tilde{S}^{\#}\tilde{-}\cdot,\tilde{n}^{\%}\tilde{S}^{\text{TM}}\tilde{42}^{\#}\tilde{S}^{\#}\tilde{5}\tilde{I}^{\#}\tilde{6}^{\#}\tilde{Y}^{\$}\tilde{7}^{\#}\tilde{8}^{\#}\tilde{I}^{\#}$
 $()^{\text{TM}}$
 $\tilde{S}^{\#}\tilde{S}^{\#}\tilde{I}^{\#}\dots\tilde{Y}^{\#}\tilde{9}^{\#};\tilde{<}^{\#}\tilde{Y}^{\#}\tilde{=}>\tilde{I}^{\#}\tilde{?}:\tilde{a}^{\#}\tilde{@}>\tilde{-}\tilde{A}>\tilde{-},\tilde{n}^{\%}\tilde{S}^{\#}\tilde{42}^{\#}\tilde{S}^{\#}\tilde{D}^{\#}\tilde{B}^{\#}\tilde{C}^{\#}\tilde{=}>,1\tilde{D}\tilde{E}\tilde{I}^{\#}\tilde{-}\tilde{F}\tilde{G}\tilde{I}^{\#}\tilde{H}$
 $\tilde{B}^{\#}\tilde{I}^{\#}\tilde{J}\tilde{K}\tilde{O}\tilde{S}^{\#}\tilde{A}^{\#}\tilde{Y}^{\$}\tilde{L}\tilde{P}^{\#}\tilde{M}^{\#}\tilde{I}^{\#}\tilde{N}^{\#}\tilde{O}^{\#}\tilde{P}^{\#}\tilde{Q}^{\#}\tilde{I}^{\#}\tilde{N}^{\#}$

[Ý² ñ RST&]

$\tilde{Y}^{\#}\tilde{1}\tilde{2}\frac{3}{4}\tilde{G}^{\#}\tilde{U}\tilde{V}\tilde{W}\tilde{n}\tilde{1}\frac{1}{4}\frac{1}{2}\tilde{X}\tilde{D}\frac{3}{4}\tilde{G}^{\#}\tilde{n}\tilde{Y}^{\#}\tilde{Z}^{\#}\tilde{U}$
 1Ú[$\cdot\cdot\frac{1}{4}\frac{1}{2}\backslash\tilde{Y}\tilde{B}^{\#}$] PBSÖ0.01mol/L $\tilde{Y}^{\#}$ pH=7.0-7.2 $\tilde{U}\tilde{l}^{\#}\tilde{i}^{\#}\tilde{A}^{\#}\tilde{Y}^{\#}\frac{3}{4}\tilde{G}^{\#}\tilde{U}\tilde{O}^{\#}\tilde{I}^{\#}$
 2Ú/ $\frac{1}{4}\frac{1}{2}abc\backslash\tilde{Y}^{\#}\frac{3}{4}\tilde{n}^{\#}d^{\#}$ 3BeÆñf ghÁÂæçÃ(i j IS007Y±k l mÝnØñoçÀ¶pq
 $r^{\#}$ | UVWñæçÃ)ñst! Mùl Ö• cñ $\frac{1}{4}\frac{1}{2}uvwx$ ÚÖM i yz=1:20-1:50Y{ w™1mLÁÂæ
 $\tilde{c}\tilde{A}\tilde{I}^{\#}$ | d20-50mg $\frac{1}{4}\frac{1}{2}^{\#}$ 2 Ú
 3Ú/ } +ñ~• Æ€I • , f „ ...† 1 Í
 4Ú/ XÖy ñ $\frac{3}{4}\tilde{G}^{\#}$ Ä10,000âg " 5ä‡¥^%Š¥Æ¹< : - S†‡Ç3S-201CŒ& Í
 $\tilde{c}\tilde{A}\tilde{A}\tilde{A}\tilde{A}^{\#}Bä\tilde{a}\tilde{a}^{\#}>\bullet\tilde{U}\tilde{Y}\tilde{c}\tilde{A}\tilde{I}^{\#}\tilde{Z}\tilde{-}\tilde{O}\tilde{C}\tilde{E}\tilde{Y}^{\#}f„^{\text{TM}}$
 1Ú• • $\tilde{c}\tilde{A}\tilde{A}^{\#}-$] PBS' ' 1 Í ¥", - " nØ...• „ ¥§1,000âg " 5ä‡, * SÎ Ö~- $\tilde{c}\tilde{A}$: —
 | " ~™* SÚÙ
 2Ú/ * S+ñ $\tilde{c}\tilde{A}$ -] PBSì 3@A
 3Ú/ $\tilde{c}\tilde{A}$ -ghÁÂæçÃ` ~...š8L107D $\tilde{c}\tilde{A}$ / œ¥w• Í v¥ $\tilde{c}\tilde{A}$: OžÝ• , f „ ...èÄ† 1 Í
 4Ú/ Y² §2-81C 1,500âg " 10ä‡¥^%Š¥Æ¹< : - S†‡Ç3S-201CŒ& Í
 $\tilde{c}\tilde{A}\tilde{A}\tilde{A}\tilde{A}^{\#}CÈÉ—~Y²^{\text{TM}} 1,000âg " 20ä‡¥[Æ¹< : †‡¥C/Æ¹ 3S-201CÇ-801C& ¥$
 | ¢£¤¥| Í
 $()^{\text{TM}}$
 1° OÆY²! Í Š & ¥41C& c§1S¥-201C| • I 1DE¥-801C| • I 2DEÙ
 2° Y² " ©è, Z^a «- , †‡- • ¥• xè, Y² | ®žYx- †‡Ù
 3° Y² > - Ú±æ° ! ±...² 7¥| ± | Ü> • | ÄÙ
 4° 3 S' · †‡ÓI ¥µ¶· , > - , 1 1 | P, »° L ² žÙ †‡Ù

[Luminex200 ä å ö]

1. ä å i y™50uLA
2. • Ž VV™ \times ä MagPIex;
3. » < ä .™50¼/½;
4. MFI $\frac{3}{4}$ ™Medi an.

[^%PØ]

1° > - Ú/ $\tilde{n}^{\%}\tilde{S}^{\#}$ Y² æ° ! ±...² 7Ö18-251CÚ¥w• ' ^%ŠB- $\tilde{c}\tilde{J}\tilde{K}\tilde{I}$ | Ä> - ¥' Y["²
 $@^>\tilde{i}\tilde{n}...Y9^{\#}\tilde{S}^{\#}\tilde{Y}^{\#}\tilde{Y}^{\#}/42\tilde{n}...Y9\tilde{o}^{\#}\tilde{S}^{\#}\tilde{A}\tilde{I}^{\#}$
 2° YPØ(¥ÄB)™Ä#YPØ | dYPØàáÄ0.5mL¥ÄÙ, ² 7Æ3' Ç10ä‡¥UJ' ' ÈÉØi ¢È
 $\tilde{E}\tilde{U}\tilde{Y}\tilde{E}\tilde{e}8L20.0ng/mL\tilde{P}\tilde{O}7D\tilde{a}á\tilde{Y}\tilde{P}\tilde{B}\tilde{n}\tilde{E}\tilde{P}$ ¥ÄDEP Í | d300l LñYPØàáÄ¥wÍ %k
 $@\tilde{I}^{\#}z\tilde{a}\tilde{a}\tilde{b}20.0ng/mL, 5.0ng/mL, 1.25ng/mL, 0.31ng/mL, 0.08ng/mL, 0.02ng/mL, 0.0ng/mL$ ¥YPØàáÄ(0ng/mL) \sim ™ø L × ØØÙ L &Ù = > - • CŒ¥Ä@=>' > - gñYPØèÄÙ



item	1	2	3	4	5	6	7	Tube
ADCY9	20.0	5.0	1.25	0.31	0.08	0.02	0	ng/mL

3° †‡èĀAó†‡èĀB™Detection A óDetection BB> - ú' - ĐÑÒŒÇÓÔ " f „ ¥O, ŸÖB
• Ç#ĀñĀj %y + x† .. - úäØO†‡àáĀAÇB 1:100àá (w™10l L†‡èĀA/990l L†‡àáĀA)¥ÙäÚ¾¥àáÚÜI - _ÜÝÿñÄ@=> † ñ»· PX(100l L/O)¥=BXJ ± BX0.1-0.
2mL†

4° è ì í Ä™580mL Ç ' | d 20mLì í ÄÖ30â Úà á ...600mL...à ° Äë 8î
()™

1º YPBÑÀÁ | À~™BÓÌ ŷ ÝÎ

2º YPB' § .. - ú15ä ‡ ī PXÍ ' YPBáÀ> -- @í

3º YPBº †‡èÃAº ° Ãº †‡èÃBº ° Ã' > - È±ñàáÃPX¥àáÃ; ÀÚ-Î - Äâ' ' ää
ÙäÚ¾¥; ÇÈËÎ L&I => - • ñPOŒ' > - • . ¥ý P• . ÄùÎ' kI i ñ. åOP
X¥-: | v> - • PXñY" Öw [t‡èÃAJ ¥- @; vç§10| LÜ¥Oi Çæbë8cèÎ

4° ' é` x̄ - ê€àá| ñÝPß° †‡èÃAà° Ã †‡èÃBà° ÃÍ

5° 1 1 ÄÖ30xÜÍ w - eå ¥' 7í ... 2 7¥' Ü¾¥...+ - ßEí eÄí ž YßXí

6° ^ %oŠI ī ä ^ %oL Ā¥ðñī P3bà° Ā, > - ¥BP3I òl : Ā• Lóô M- èÇ Mõö¥
Oó = > - ÷ øùô 8è ¥æb = > - • | P0¥ú...Fí ûcî ' > - ' P3î

[Y² f „]

1° 2 üyáþ ^ %oS 2 ý ￥ | þ • > - ' ^ %oS æbñ 2 • ÷ ￥' > - > - úÙä + 2 ñ
: Å > - · ￥ - Ù ñ 2 î

3° † 2 | { Bœ• Ž 2 • 1 ¥ ÷ Ø Ž Y - = > > T E œ¥Y() 2 ↑

$4^\circ > - \text{ ÅÅĀXðñ} \frac{1}{4} V_2 \frac{3}{4} » C_2 A u [\bar{A} : A Z S] \quad " \quad \sim M \bar{n} d = > - \bullet \quad \bar{e} \bar{l}$

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6° (" nØC` ¼nØ¥) * + Ø. + ` ¼nØ¥; Å• LT² Hß > - ñ t f u i Ø - .

¥ 1 | Ü + ± ÷ ⌂

7° ÷ Ø - qh² ¥& JK! O: AZ • nØ1ÂC2Œ¹ => - • èî

[3° 45]

1° / => Öñ ÄÖÍ | d200ul ä á æç Ä– O° 6¥ 7, B...ÝÖ ùÆ² 78 10ä ‡ ¥• , ÑÄÖÍ
Äj ¥< : - § | 3° î

2° | ™ä ØðÝþÔ° ‡ ßÔ° × ØÔÎ ðÝþÔ7Ô¥k@| d100l L| Uë8ñÝþßÖ9^ %þð2
 ÚÎ × ØÔ| 100l LÝþßàáÃÖ9^ %þð-: 4-, - Ú¥2Ô| ‡ ßÖçàá, ñ ßÚ100l
 L¥ÄÔ| 10ul < ä¥...ÝÔ| ÆÜÜ¥371C...ÝÔ ù7ì 1.5CJ ¥ É: <ð3L 800rpm¥ = 2-4mm
 ¥≥? < ä%1†

3º AE< ¥2ä±, ^ Äj ¥< &@ñ# \$ŒÑÄ¥| - ï í î

4° ÄÖ| †‡èÄAà° Ä100l LÖ.. – úPXÚ¥...ÝÖÜÜ¥371C...ÝÖ ù7i 1cJ ¥ É; <ò3
L 800rpm¥ = 2-4mm¥ >? < ä %o 1†



[= > *]

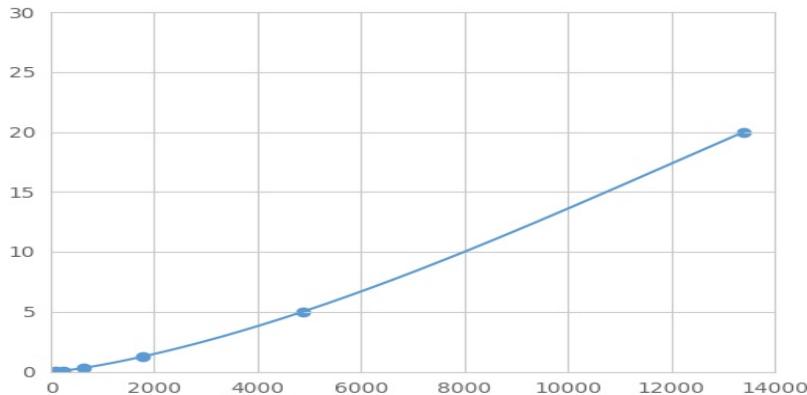
/ ADCY9μi ÙS< CE• Žj k ¥XbI Èm i ¥n• Žl äØ| dÝPßCÝ² ¥ÈI ADCY9T O™SI Èm i Èñμi - p¥" , | d—~ ! , ñADCY9μi ¥B/ - pñ—~ ! , μi ì ò, ¥| dPEÝqñr ! ¥PEÙsY, ¥ÛI MFI^¾ÖMedian Fluorescence Intensity Ùñ` c Bì ñADCY9ë8Hg ÈÈI – Luminexåö‡¶¥ÜY Bë8î

[ÜY]

t YPBÓ ² MFI^¾C[^] × ØÔMFI^¾, ° Í ÖuvÍ Ú¥wò3¤Ô¥w±[Èi ! ^¾ÜYÍ OÝPBñë8
 Lx y YÖÇþÓy YÚ¥MFI^¾Lz y YÖÇþÓy YÚ¥{ " YP Ö¬ Yòh±k | } YòÜYñR^{2¾}
 G¶¥OR2¾~• €§1L y ÜI . , > - • , X° fÂž Yäåå ¥wcurve expert 1.30¥ÜI B MFI^¾¥
 YP , " È±ñë8¥...OàáÎ ÓAÇ- YP~ ñë8TMFI^¾ÜY" YP ñ | } Yòh¥/ Bñ
 MFI^¾† dYòh¥ÜY" Bë8¥î ...OàáÎ Ó¥⁺ L Bñ=Bë8î

[‡ WÓI]

L X ^ § Ü Y ¥ - ë 8 L ï 2 · 1 MFI ¾ L • 2 · ¥ µ ¶ { I J 5 R - Y P B ñ MFI ¾ ° L z y Y Ö X % U Y Y P
B ñ e 8 L x y Y Ö X % U I U J L X ^ > - n ~ Š E Y I l u n P * < O I 1 c p Ö ¾ I . , > - p Ö ¾ ÷
E Y P I I S => 3 ° 9 A ñ | U Ö w 3 ° ° A • Z ° i O • Z 7 8 9 A % U Y Y P n MFI ¾ Z
e • I u n Y P Y • ¥ => i v U I i e ñ => ÷ E Y P I



(€• , f „ ...9)†‡^‰ŠÝP

[†‡]

0.02-20ng/mL.

[¬†‡']

×¾L20D×Ø BÖ^c ŶPßàáÃÚ‡¶ñi ! ¾| : ī ŶPè þ±ñë8†

[•Œ]

2 ^‰Š- §†‡ ADCY9¥€†‡TÈÉÈ' ~ M" • V" • E±†
§-+• ŽÓ 2 G—ñ' X¥| : AFb ÈŒŒ' ~ M" • E±†‡¥• x 2 ^‰Š : AT €†
‡ñÈÉ~ M " • E±†

[åš8]

åš8- B‡¶¾ñ2• ~ ÓCVj %† CVÖ%Ú = SD/meanâ 100

™† è™[U™@^‰Šþ °| ° ¾¶¾ 2 ž Ÿ¶· †‡¥Äš 2 o> ‡¶20

@¥äØÜÝ| Uë8 2 ñi ! ¾ÓSD¾†

™Kè™q[3D| U™@ñ ^‰ŠäØþ °| ° ¾¶¾ 2 ž Ÿ¶· ‡¶¥ÄD 2 > - U- ^‰Š` ð‡¶¶8@¥äØÜÝ| Uë8 2 ñi ! ¾ÓSD¾†

™† è™ CV<10%

™Kè™ CV<12%

[Œ¶Œ]

€‡¶¥^‰ŠB °†œ "· , 78& ¥•Œ1 </ c §5%†

LžcŒi • ! þ^‰ŠÝ ú, †‡¾ñª «¥=>2 ñfj 9Â† - · &@- ¥ŒÈP=>2 ī 78° 6
8ó7i 9Â† È@ U- => E Gž Ÿ3° : ž ðšLçè†

[=>¥Ø]

1° => ÚŶPß° ^‰Ó 2 PØA

2° | ÖŶPßÇ 2 Ú100l L¥| < ã ¥371 C...ÝÖ ù| i 1.5CJA

3° < ÑÃ¥| †‡èÃA100l L¥371 C...ÝÖ ù| i 1CJA



4° < i Œ3@A
 5° | + ‡ è ÆB100l L¥371C É | i 30ä ‡ A
 6° < i Œ3@A
 7° | ê Æ150l L¥ 8 2ä ‡ , | Ø†

[œ•]

1° §© 9ÂÓ§ • Ž i .. | Àþ i ©ú ñ * a ž Ýí k ñ « ¶ Täå ¥² Hß: À B-
¶ ñ M- • Ž - - î
2° - ® ñ = > - • T ^ % ñ E° = > ñ È È 3° Oó => f i ša È È ¥' oe PðU ñ Y² ðš î
3° | U™@ñ U- Hß: ÀZ x - è Ø ¥ w™ t f ' ° ° ± 8 ¥' k l ^ % ß í oe • ž ž Ý = > 3° ¥² 3 °
' ® oe • ž Ý ° • î
4° 2 ^ % ß Pμ ^ % Pμ > - ¥ | ÀÚ- È ¶ Xæ©ñ Hß î á ^ _ ` a 2 ^ % ß ñ = > oe • Z } + -
ñ t f - • î
5° B ó 7 i | ò i | Ø / ^ % , 1 B° » l î ^ % # Å Å ¼ O > ? Y • - ~ õ ö ¥ • L n Ø A
... ñ Ä / f ¾ | P O î
6° ½ ¾ ñ ... ð Õ Õ î : ÀZ x - ~ M ¥ x L g d © Å ¥ | Z þ = > - • æ b Z [a « î ... Ý Õ B >
J J f Å Ä [° ¥' é u ú [° î
7° § 3° | e f ° 3° Å ç Ç û ç q - I Ó ö ð Ä % N : Å û ç - • ñ H - î = > ú' Å ð Ä l oe
ž y Ç ^ ö u î
8° B 2 X ð Oó 3° ñ Ä D I ò i ñ 2, N: Å | U ñ = > - • ¥ O L X û = > - • ñ : ` x E ¥ =
> ñ Ä - 43° N i v ^ _ R X î
9° ^ % ß B ° È ú ! € l ^ _ M t ¥ É § ³ È 9 Â Ó t = > 2 9 Â è • ¥: Å Z æ b = > - • T ° È - • | -
Ç | U™@^ % ß ™ K è È ' ñ & ' î
10° 2 ^ % ß T È ¶ È î U V ^ % ß Ç | U Y " t f U - m ñ ~ ñ Hß þ þ z ¥ O | î ^ t f - • | - ñ
& ' î
11° - S X ð ^ % ß î µ i ñ Ø î * - d L ` ¼ n Ø ¥ É S ð ` ¼ n Ø q [ñ î Ç ° j D ~ Ñ ° ó „ Y h %
t | U ¥ O µ ¶ " & î ' ^ % ß : - S È ¶ ü y ` ¼ n Ø ñ t f ¥ - d µ ¶ u | ÷ o > - ^ % ß t f `
¼ n Ø î
12° ' - Ø B î f ~ ñ è 8 ¥ Ç Ø Ü - = > O ¶ B t f è 8 î Ø ñ f , : O > ? 2 | t ~ î . .
.. ^ % ß t f î
13° ' ^ % ß : Å | • - S - = > 2 y E | O ¶ ñ Ø = > B ñ t f ¥ { w ¥ ³ • Ø ^ = > % î
14° 2 3° oe • U • - S 48 T ^ % ß î
15° ' ^ % ß Y E x > - ¥ w / È - S ° © a « Ç Z [È ¶ - Ö ¥ µ ü y / | þ • x H - ñ x Ø ¥ Ù | U
Ü Z [" Ü Z î

[x ØÄÝ]

$\times \emptyset$: \mathbb{A}^* •	$\mathbb{A}\mathbb{P}\mathbb{Y}\mathbb{B}$
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	[óì í Ùä	Ùäñ [óì í
	Ã åO	† „ g Äù


Cloud-Clone Corp.

å š 8	< ã i í Ùä	" œ• ž v? Ùä 8 i í A ē
	Ú¾ Ùä [^ %o	Ùä Ú¾ [^ %o
	~ ð Z - ° Đù ÜÜ	> - ùváâgñ ° > - gñĐù ÜÜ
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MFI ¾	ÄÖ ñ ^ %o. åO	g Āù ¥åO d ^ %o
	7i JK gO	&ř Ù ñ 7i JK
	7i 78 gO	^ %o v i ± ...² 7y &ř POñ 7 i 78
	PEÝq ~ Ā	á â ^ %o
	PEÝq ~ à á ī Ó þ	" 6œ• ž = > 3°
	• .. ÓJ KI Ó	Bœ• ž . , ñ ÓJ Kī I Ó
² ¾	gOñ ² Yh	gO ² ¥ > - gh ² ž Y = >
	gOñ ² * S f „ Y "	R[gOñ ² * S f „ Y "
	‡ ~ MB ² l í .	> - gh ² ¥ ` ð = >