

Pr Pk PŸ PŸ P PJ Pľ P! P† Pİ

**PrP»Cİ PjPµPrPëC‡PSPsPiPs P•P°CÍC,PsCÍCÍPIP°PSPSCİ P»C-PeP°CŸCÍCHPePsPiPs
P•P°CÍPsP±CÍ**

P'P†PhP'P•Pk

(BIOVEN)

PŸPeP»P°Pr:

*PrC-CHC‡P° CŸPµC‡PsPIPëPSP°: C-PjCÍPSPsPiP»PsP±CÍP»C-PS P»CHPrPëPSPë
PSPsCŸPjP°P»CHPSPëP№ / human normal immunoglobulin;*

1 PjP» PİCŸPµPİP°CŸP°C,CÍ PjC-CÍC,PëC,CH C-PjCÍPSPsPiP»PsP±CÍP»C-PS P»CHPrPëPSPë
PSPsCŸPjP°P»CHPSPëP№ 0,1 Pi (PI C,PsPjCÍ C‡PëCÍP»C- C-PjCÍPSPsPiP»PsP±CÍP»C-PSCÍ
G (IgG) PSPµ PjPµPSC€Pµ 98%);

PrPsPiPsPjC-PŸPSC- CŸPµC‡PsPIPëPSPë: PiP»C-C†PëPS; PIPsPrP° PrP»Cİ C-PSBŸ™C"PeC†C-P№.

P»C-PeP°CŸCÍCHPeP° C,,PsCŸPjP°. P PsP•C‡PëPS PrP»Cİ C-PSC,,CÍP•C-P№.

***PhCÍPSPsPIPSC- C,,C-P•PëPePs-C...C-PjC-C‡PSC-
PIP»P°CÍC,PëPIPsCÍC,C-: PİCŸPsP•PsCŸP° P°P±Ps P•
PSPµP•PSP°C‡PSPsCH PsPİP°P»PµCÍC†PµPSC†C-C"CH,
P±PµP•P±P°CŸPIPSP° P°P±Ps P•P»PµPiPeP°
PŸPsPIC,CÍPIP°C,PsPiPs PePsP»CHPsCŸCÍ CŸC-PrPëPSP°.***

***P»P°CŸPjP°PePsC,PµCŸP°PİPµPIC,PëC‡PSP° PİCŸCÍPİP°. P†PjCÍPSPsPiP»PsP±CÍP»C-PS
P»CHPrPëPSPë PSPsCŸPjP°P»CHPSPëP№ PrP»Cİ PIPSCÍC,CŸC-C€PSCHPsPIPµPSPSPsPiPs
PIPIPµPrPµPSPSCİ.***

PľPsPr PhPŸPT J06B A02.

P»P°CŸPjP°PePsP»PsPiC-C‡PSC- PIP»P°CÍC,PëPIPsCÍC,C-.

P»P°CŸPjP°PePsPrPëPSP°PjC-PeP°.

PµCŸPµPİP°CŸP°C, C" C-PjCÍPSPsP»PsPiC-C‡PSPs P°PeC,PëPIPSPsCH P±C-P»PePsPIPsCH

C,,C₇H₅P°PeC†C-C"CH (C₇H₅PsP·PīPsPrC-P» PīC-PrPeP»P°C†C-PI C-PjC†PSPsPiP»PsP±C†P»C-PSC† G
C† PīC₇H₅PμPīP°C₇H₅P°C,C-: IgG1: 65,6 %, IgG2: 22,1 %, IgG3: 10,8 %,B IgG4: 1,5 %),
PīC₇H₅P°PSPēC†PSPēPN₆ PIPjC-C†C, C-PjC†PSPsPiP»PsP±C†P»C-PSC† P₇ C† PīC₇H₅PμPīP°C₇H₅P°C,C-
C†C,P°PSPsPIPēC,CH 50 PjPePi/PjP».

P" C-C₇H₅C†PēPj PePsPjPīPsPSPμPSC,PsPj PīC₇H₅PμPīP°C₇H₅P°C,C† C" P°PSC,PēC,C-P»P°, C%₀₀Ps
PIPSP»PsPrC-C₇H₅CH C†PīPμC†PēC,,C-C†PSPsC₇H P°PeC,PēPIPSC-C†C,C₇H PīC₇H₅PsC,Pē
C₇H₅C-P·PSPēC... P·P±C†PrPSPēPeC-PI P·P°C...PIPSC₇H₅PIP°PSC₇H₅ б₇ PIC-C₇H₅C†C†C-PI C-
P±P°PeC,PμC₇H₅C-PN₆, C† C,,C†. PīPμPīP°C,PēC,C† P₇ C- P', C†PēC,PsPjPμPīP°P»PsPIC-C₇H₅C†C†C†,
PIC-C₇H₅C†C†C† PīPμC₇H₅PīPμC†C† P»C₇H₅PrPēPSPē 1 C,PēPīC†, 2 C,PēPīC† C,P° 6 C,PēPīC†,
PIC-C₇H₅C†C†C† P·PīC†C,PμPN₆PSP°-P°P°C₇H₅, PIC-C,C₇H₅CI₂PSPsC— PIC-C†PīPē, PīC₇H₅PēPīC†,
PePsC₇H₅C†, PīP°C₇H₅PsC,PēC,C†, PīPsP»C-PsPjC-C" P»C-C,C†, PeC₇H₅P°C†PSC†C...Pē,
PePsPeP»C₇H₅C†C†, C†C,P°C,,C-P»PsPePsPeC†, PePēC†PePsPIPsC— PīP°P»PēC†PePē,
PīPSPμPIPjPsPePsPeP°, PīC₇H₅P°PIC†PμPIPsPiPs C,P° PrPēC,,C,PμC₇H₅C-PN₆PSPsPiPs
C,PsPeC†PēPSC†. P₇P°C" C,P°PePsP¶ PSpμC†PīPμC†PēC,,C-C†PSC† P°PeC,PēPIPSC-C†C,CH,
C%₀₀Ps PīC₇H₅PsCI₂PIP»CI₂C" C,CHC†CI₂ C† PīC-PrPIPēC%₀₀PμPSPSC-
C₇H₅PμP·PēC†C,PμPSC,PSPsC†C,C- PsC₇H₅PiP°PSC-P·PjC†.

PμC₇H₅PμPīP°C₇H₅P°C, PIPsP»PsPrC-C" PSPēP·CHPePsC₇H C†PīPsPSC,P°PSPSPsC₇H
P°PSC,PēPePsPjPīP»PμPjPμPSC,P°C₇H₅PSPsC₇H P°PeC,PēPIPSC-C†C,C₇H.

PμC₇H₅PμPīP°C₇H₅P°C, C" PSP°C,PēPIPSPēPj C-PjC†PSPsPiP»PsP±C†P»C-PSPsPj G,
P·P±PμC₇H₅C-PiP°C" PIC†C- P±C-PsP»PsPiC-C†PSC- PIP»P°C†C,PēPIPSC†C,C-:
P°PeC,PēPIP°C†C-C₇H PePsPjPīP»PμPjPμPSC,C†, PμC,,PμPeC,PsC₇H₅PSC† C,P° PsPīC†PsPSPs-
C,,P°PiPsC†PēC,P°C₇H₅PSC† C,,C†PSPeC†C-C—.

PμC₇H₅PμPīP°C₇H₅P°C, C" C-PjC†PSPsP»PsPiC-C†PSPs P°PeC,PēPIPSPsC₇H P±C-P»PePsPIPsC₇H
C,,C₇H₅P°PeC†C-C"CH, C%₀₀Ps PIPēPrC-P»PμPSP° P· C†PēC₇H₅PsPIP°C,PePē P°P±Ps PīP»P°P·PjPē
PeC₇H₅PsPIC- P»C₇H₅PrPēPSPē, PīPμC₇H₅PμPIC-C₇H₅PμPSPēC... PSP° PIC-PrC†C†C,PSC-C†C,CH
P°PSC,PēC,C-P» PrPs P'P†P>-1, P'P†P>-2, PrPs PIC-C₇H₅C†C†C† PīPμPīP°C,PēC,C† P₇ C,P°
PīPsPIPμC₇H...PSPμPIPsPiPs P°PSC,PēPīPμPSC† PIC-C₇H₅C†C†C† PīPμPīP°C,PēC,C† P',
PsC†PēC%₀₀PμPSPsC₇H C,P° PePsPSC†PμPSC,C₇H₅PsPIP°PSPsC₇H PjPμC,PsPrPsPj
C,,C₇H₅P°PeC†C-PsPSC†PIP°PSPSC† C†PīPēC₇H₅,PsPIPsPrPSPēPjPē PsC†P°PrPSPēPeP°PjPē,
CI₂PeP° PīC₇H₅PsPN₆C†P»P° C†C,P°PrC-C₇H PIC-C₇H₅C†C†PSPsC— C-PSP°PeC,PēPIP°C†C-C—
C†PsP»CHPIPμPSC,-PrPμC,PμC₇H₅PiPμPSC,PSPēPj PjPμC,PsPrPsPj C,P° PjPμC,PsPrPsPj
PSP°PSPsC,,C-P»CHC,C₇H₅P°C†C-C—.

P₇P»C-PSC-C†PSC- PrPsC†P»C-PrP¶PμPSPSC†

Pj PIC-PrPeC₇H₅PēC,PsPjC† PjC-P¶PSP°C₇H₅PsPrPSPsPjC† P±P°PiP°C,PsC†PμPSC,C₇H₅PsPIPsPjC†
PrPsC†P»C-PrP¶PμPSPSC- III C,,P°P·Pē, PIC-PrPīPsPIC-PrPSPs PrPs Guideline on the clinical
investigation of human normal immunoglobulin for intravenous administration (IVIg)
28 June 2018 EMA/CHMP/BWP/94033/2007 rev.3 Committee for Medicinal Products for Human
Use (CHMP), PIPēPIC†P°P»PēC†CI₂ PμC,,PμPeC,PēPIPSC-C†C,CH, P±PμP·PīPμPeP° C,P°
PrPμCI₂PeC- PīP°C₇H₅P°PjPμC,C₇H₅Pē C,,P°C₇H₅P°PjP°PePsPeC-PSPμC,PēPePē PīC₇H₅PμPīP°C₇H₅P°C,C†
P' C-PsPIPμPS C† PīP°C†C-C" PSC,C-PI P· PīPμC₇H₅PIPēPSPSPēPjPē
C-PjC†PSPsPrPμC,,C-C†PēC,P°PjPē (PμP†P"). PμP°C†C-C" PSC,Pē PsC,C₇H₅PēPjC†PIP°P»Pē
P' C-PsPIPμPS PīC₇H₅PsC,CI₂PiPsPj 1 C₇H₅PsPeC† 1 C₇H₅P°P· PSP° 4 C,PēP¶PSC- C†
C†PμC₇H₅PμPrPSC-PN₆ PrPsP·C- 0,5 Pi/PePi PjP°C†Pē C,C-P»P°. Pj PīP°C†C-C" PSC,C-PI
PsC†C-PSC₇H₅PIP°P»Pē C₇H₅C-PIPμPSC₇H C-PjC†PSPsPiP»PsP±C†P»C-PSC†, PeC-P»CHPeC-C†C,CH
PIPēPīP°PrPeC-PI C-PSC,,PμPeC†C-PN₆, PīPsPeP°P·PSPēPePē PeP»C-PSC-C†PSPsPiPs C,P°
P±C-PsC...C-PjC-C†PSPsPiPs P°PSP°P»C-P·C† PeC₇H₅PsPIC-. P₇P°PePsP¶

PsC†C-PSCĤPIP°P»PëC†ĤĤ PSP°PNëPIP°P¶P»PëPIC-C€C- PĭPsPeP°P·PSPëPePë ĤĤPsP±PsC,Pë
C†PμĤĤC†CĬ, PrPëC...P°PSPSCĬ, PIPëP·PSP°C†P°P»P°C†CĬ C,PμPjPĭPμĤĤP°C,C†ĤĤP° C,C-P»P°,
C,,C-PeC†C†PIP°P»PëC†ĤĤ C†C†C- PIPëPĭP°PrPePë PjPsP¶P»PëPIPëC... PĭPsP±C-C†PSPëC...
ĤĤPμP°PeC†C-C—.

PμĤĤPsC,CĬPĭPsPj 1 ĤĤPsPeC† P»C-PeC†PIP°PSPSCĬ P·P°C,,C-PeC†PsPIP°PSPs 1 PIPëPĭP°PrPsPe
C†PμĤĤPNëPsP·PSPëC... C-PSC,,PμPeC†C-PNëPSPëC... P·P°C...PIPsĤĤĤPIP°PSCĤ (2,3%, P°P±Ps
0,023 PIPëPĭP°PrPeC† PSP° 1 PĭP°C†C-C”PSC,P° PSP° ĤĤC-Pe). PĤPμPrC-P°PSP°
PjC-PSC-PjP°P»ĤĤPSPsC— PePsPSC†PμPSC,ĤĤP°C†C-C— C-PjC†PSPsPĭP»PsP±C†P»C-PSC† Pĭ
PĭP»P°P·PjC- PeĤĤPsPIC- P±C†P»P° P·PSP°C†PSPs PIPëC%P° P·P° PjC-PSC-PjP°P»ĤĤPSPëPNë
C†C-P»ĤĤPsPIPëPNë ĤĤC-PIPμPSCĤ 5 Pĭ/P» C- PĭC-C†P»CĬ 6 PjC-C†CĬC†C-Pĭ
P»C-PeC†PIP°PSPSCĬ C†C,P°PSPsPIPëP»P° 8,6 Pĭ/P», P° PĭC-C†P»CĬ 1 ĤĤPsPeC† вĤ” 8,8 Pĭ/P».B

P’ PĭĤĤC†PĭC- P· 49 PĭP°C†C-C”PSC,C-PI, C%Ps PsC,ĤĤPëPjC†PIP°P»Pë P’C-PsPIPμPS, P±C†P»Ps
P·P°C,,C-PeC†PsPIP°PSPs 20 PIPëPĭP°PrPeC-PI PĭPsP±C-C†PSPëC... CĬPIPëC% P»PμPĭPePsPĭPs
(2%) C,P° C†PμĤĤPμPrPSCĤPsPĭPs C†C,C†PĭPμPSCĬ C,CĬP¶PePsC†C,C- (0,5%), C%Ps
P·P°PĭP°P»PsPj C†PeP»P°PrP°P»Ps 2,5% PμPĭC-P·PsPrC-PI PĭPĭPμPrPμPSPSCĬ.B PĥPμ
P·P°C,,C-PeC†PsPIP°PSPs PIPëPĭP°PrPeC-PI PeP»C-PSC-C†PSPs P·PSP°C†C†C%PsPĭPs
PIC-PrC...PëP»PμPSPSCĬ PĭPsPeP°P·PSPëPeC-PI P»P°P±PsĤĤP°C,PsĤĤPSPëC...
PrPsC†P»C-PrP¶PμPSCĤ, C%Ps P±C†P»Pë PĭPsPĭвĤ”™ CĬP·P°PSC- P· PĭPĭPμPrPμPSPSCĬPj
PĭĤĤPμPĭP°ĤĤP°C,C† P°P±Ps PIPëPjP°PĭP°P»Pë PĭĤĤPëPĭPëPSPμPSPSCĬ P»C-PeC†PIP°PSPSCĬ.
18 PĭP°C†C-C”PSC,P°Pj (PrPsĤĤPsC†P»PëPj C,P° PrC-C,CĬPj) P’C-PsPIPμPS PĭPĭPsPrPëP»Pë P·C-
P·ĤĤPsC†C,P°ĤĤC†PsĤĤ C€PIPëPrPeC-C†C,ĤĤ C-PSC,,C†P·C-C—. PĥP° PĭPμĤĤC€PsPjC†
PμC,P°PĭC- PrPsC†P»C-PrP¶PμPSPSCĬ C€PIPëPrPeC-C†C,ĤĤ PĭPĭPμPrPμPSPSCĬ
P·ĤĤPsC†C,P°P»P° PrPs 5,0 PjP»/PePĭ/PĭPsPr (0,08 PjP»/PePĭ/C...PI); PSP° PrĤĤC†PĭPsPjC†
PμC,P°PĭC- вĤ” PrPs 7,0 PjP»/PePĭ/PĭPsPr (0,11 PjP»/PePĭ/C...PI). PĤP°PeC†PëPjP°P»ĤĤPSP°
C€PIPëPrPeC-C†C,ĤĤ PĭPĭPμPrPμPSPSCĬ PSP° C,ĤĤPμC,ĤĤPsPjC† PμC,P°PĭC-
C†C,P°PSPsPIPëP»P° 8,5 PjP»/PePĭ/PĭPsPr (0,14 PjP»/PePĭ/C...PI).B PŠP°C†C,PsC,P°
ĤĤPsP·PIPëC,PeC† PĭPsP±C-C†PSPëC... CĬPIPëC% P±C†P»P° PSPëP·ĤĤPePsĤĤ
(2 PIPëPĭP°PrPePë PSP° 35 PsPeĤĤPμPjPëC... PĭPĭPμPrPμPSCĤ), PIPsPSPë PjP°P»Pë
P»PμPĭPePëPNë C...P°ĤĤP°PeC,PμĤĤ, PSPμ PePsĤĤPμP»ĤĤPIP°P»Pë P·C- C€PIPëPrPeC-C†C,ĤĤ
C-PSC,,C†P·C-C—. PĥP° PsC†PSPsPIC- PĭPsC€PëĤĤPμPSPsC†C,C- PĭPsP±C-C†PSPëC...
CĬPIPëC% C,P° PsC†C-PSPePë PrPëPSP°PjC-PePë PsC†PSPsPIPSPëC... PĭPsPeP°P·PSPëPeC-PI
P¶PëC,C,C”PrC-CĬP»ĤĤPSPsC†C,C- PĭPμĤĤPμPSPsC†PëPjC-C†C,ĤĤ PĭĤĤPμPĭP°ĤĤP°C,C†
P’C-PsPIPμPS P·P° PjP°PeC†PëPjP°P»ĤĤPSPsC— C€PIPëPrPePsC†C,C- PĭPĭPμPrPμPSPSCĬ 8,5
PjP»/PePĭ/PĭPsPr (0,14 PjP»/PePĭ/C...PI) C† 94,0 % PĭP°C†C-C”PSC,C-PI P±C†P»P° PsC†C-PSPμPSP°
CĬPe C...PsĤĤPsC€P°, C† 6,0 % вĤ” CĬPe P·P°PrPsPIC-P»ĤĤPSP°.

PĤP»C-PSC-C†PSP° PμC,,PμPeC,PëPIPSC-C†C,ĤĤ P·P°C†C,PsC†C†PIP°PSPSCĬ
P»C-PeP°ĤĤC†ĤĤPePsPĭPs P·P°C†PsP±C† P’C-PsPIPμPS C† C†PeP»P°PrC-
PePsPjPĭP»PμPeC†PSPsC— C,PμĤĤP°PĭC-C— PĭP°C†C-C”PSC,C-PI P· C,CĬP¶PePsĤĤ
PĭPSPμPĭPjPsPSC-C”ĤĤ, C†PĭĤĤPëC†PëPSPμPSPsĤĤ PePsĤĤPsPSP°PIC-ĤĤC†C†PSPsĤĤ
C-PSC,,PμPeC†C-C”ĤĤ COVID-19 / SARS-CoV-2, P·P°P±PμP·PĭPμC†C”C,ĤĤC†CĬ PNëPsPĭPs
PIP»P°C†C,PëPIC-C†C,ĤĤ C†PëPSPëC,Pë C-PjC†PSPsPjPsPrC†P»ĤĤĤC†C† PrC-ĤĤ. P’
ĤĤPμP·C†P»ĤĤC,P°C,C- P·PSPëP¶C†C”C,ĤĤC†CĬ PIPëĤĤP°P¶PμPSC-C†C,ĤĤ
PĭPsC†C,ĤĤPsPĭPs ĤĤPμC†PĭC-ĤĤP°C,PsĤĤPSPsPĭPs PrPëC†C,ĤĤPμC†-C†PëPSPPrĤĤPsPjC† C-,
CĬPe PSP°C†P»C-PrPsPe, P·PSPëP¶C†C”C,ĤĤC†CĬ C†C,C†PĭC-PSCĤ PrPëC...P°P»ĤĤPSPsC—
PSPμPrPsC†C,P°C,PSPsC†C,C-.

PĥP°CĬPIPSC-C†C,ĤĤ PeP»C-PSC-C†PSPsC— PμC,,PμPeC,PëPIPSPsC†C,C- P±C†P»Ps
PĭC-PrC,PIPμĤĤPrP¶PμPSPs Pĭ ĤĤP°PjPeP°C... PeP»C-PSC-C†PSPsPĭPs
PrPsC†P»C-PrP¶PμPSPSCĬ B«P’C-PrPeĤĤPëC,Pμ P±P°PĭP°C,PsC†PμPSC,ĤĤPsPIPμ

СҗР°РSPPrPsPjC-P·PsPIP°PSPµ PrPsCГР»C-PrP¶PµPSPSC¶ P· PsC†C-PSPePë
PµC,,PµPeC,PëPIPSPsCГC,C- PiCҗPµPiP°CҗP°C,Cр P'C-PsPIPµPS, PIPëCҗPsP±PSPëC†C,PIP°
PŷPhP' B«P'C-PsC,,P°CҗPjP° PµP»P°P·PjP°B», PI PePsPjPiP»PµPeCГPSC-PNë C,PµCҗP°PiC-C—
PiP°C†C-C"PSC,C-PI P· PiPSPµPIPjPsPSC-C"CH, CГPiCҗPëC†PëPSPµPSPsCH
PePsCҗPsPSP°PIC-CҗCрCГPSPsCH C-PSC,,PµPeC†C-C"CH COVID-19 / SARS-CoV-2B» (PePsPr
PrPsCГР»C-PrP¶PµPSPSC¶ Bҗ" 2020-BV-BP).

PJ PrPsCГР»C-PrP¶PµPSPSC- PIP·C¶P»Pë CрC†P°CГC,CH 76 PiP°C†C-C"PSC,C-PI P·
PiC-PrC,PIPµCҗPrP¶PµPSPëPj P·P° PICГC-PjP° PeCҗPëC,PµCҗC-C¶PjPë PrC-P°PiPSPsP·PsPj. 66
PiP°C†C-C"PSC,C-PI, C°%Ps PiCҗPsPNëC€P»Pë CГPeCҗPëPSC-PSPi C,P° PSPµ PjP°P»Pë
PeCҗPëC,PµCҗC-C—PI PIPëPeP»CHC†PµPSPSC¶, P±CрP»Pë CҗP°SPPrPsPjC-P·PsPIP°PSC- Cр 2
PiCҗCрPiPë (PrPsCГР»C-PrP¶CрPIP°PSP° PiCҗCрPiP° Bҗ" P'C-PsPIPµPS P±P°P·PsPIP°
C,PµCҗP°PiC-C¶ C,P° PePsPSC,CҗPsP»CHPSP° PiCҗCрPiP° Bҗ" P»PëC€Pµ P±P°P·PsPIP°
C,PµCҗP°PiC-C¶).

P' PiP°C†C-C"PSC,C-PI PIPëP·PSP°C†P»PëCГC¶ PiPsPeP°P·PSPëPePë CҗPsP±PsC,Pë
PrPëC...P°P»CHPSPsC— CГPëCГC,PµPjPë, P·P°PiP°P»CHPSPsPiPs CГC,P°PSCр,
C,CҗPëPIP°P»C-CГC,CH PiPsC,CҗPµP±Pë Cр C-PSC,PµPSCГPëPIPSC-PNë C,PµCҗP°PiC-C—,
PiPsC,CҗPµP±Pë Cр C€C,CрC†PSC-PNë PIPµPSC,PëP»C¶C†C-C— P»PµPiPµPSC-PI (PëP'P>),
P·P°PiP°P»CHPSPëPNë C,PµCҗPjC-PS P»C-PeCрPIP°PSPSC¶. PŷP°PePsP¶
PsC†C-PSCҗPIP°P»P°CГCH PIPëP¶PëPIP°PSC-CГC,CH PiCҗPsC,C¶PiPsPj 28-PrPµPSPSPsPiPs
PiPµCҗC-PsPrCр CГPiPsCГC,PµCҗPµP¶PµPSPSC¶, P»P°P±PsCҗP°C,PsCҗPSC-
PiPsPeP°P·PSPëPePë PeCҗPsPIC- (P·P°PiP°P»CHPSPëPNë P°PSP°P»C-P· C,P°
P±C-PsC...C-PjC-C†PSPëPNë), P° C,P°PePsP¶ CҗC-PIPSC- C†PëC,PsPeC-PSC-PI,
C,,P°PeC,PsCҗC-PI P·P°PiP°P»PµPSPSC¶ C,P° C-PSC€C- PiPsPeP°P·PSPëPePë CГC,P°PSCр
C-PjCрPSPSPsC— CГPëCГC,PµPjPë.

P—P° CҗPµP·CрP»CHC,P°C,P°PjPë PrPsCГР»C-PrP¶PµPSPSC¶ P±CрP»Ps PrPsPIPµPrPµPSPs
PiPµCҗPµPIP°P¶P°CHC†Cр PµC,,PµPeC,PëPIPSC-CГC,CH P·P° PiPsP»PsPIPSPsCH
P·PjC-PSPSPsCH.

P"PsCГC,PsPIC-CҗPSPs C€PIPëPrC€Pµ PSP°CГC,P°C" PiPsPeCҗP°C°%PµPSPSC¶ CГC,P°PSCр:
PrPsCГР»C-PrP¶CрPIP°PSP° PiCҗCрPiP° Bҗ" PSP° 5 PrPµPSCҗ
(PjC-P¶PePIP°CҗC,PëP»CHPSPëPNë C-PSC,PµCҗPIP°P» Bҗ" 3,50Bҗ"7,25 PrPSC¶),
PePsPSC,CҗPsP»CHPSP° PiCҗCрPiP° Bҗ" PSP° 9 PrPµPSCҗ (PjC-P¶PePIP°CҗC,PëP»CHPSPëPNë
C-PSC,PµCҗPIP°P» Bҗ" 6,00Bҗ"14,75 PrPSC¶), Cҗ = 0,0073. P†PjPsPIC-CҗPSC-CГC,CH
PrPsCГC¶PiPSPµPSPSC¶ CГC,P°P±C-P»C-P·P°C†C-C— CГC,P°PSCр Cр PiP°C†C-C"PSC,C-PI
PrPsCГР»C-PrP¶CрPIP°PSPsC— PiCҗCрPiPë PrPsCГC,PsPIC-CҗPSPs PIPëC°%P° Cр 2,27 CҗP°P·P°
(95 % PrPsPIC-CҗC†PëPNë C-PSC,PµCҗPIP°P» (P"Pt) Bҗ" 1,26Bҗ"4,11, Cҗ = 0,006), PSC-P¶ Cр
PiP°C†C-C"PSC,C-PI PePsPSC,CҗPsP»CHPSPsC— PiCҗCрPiPë.

PµPµCҗPµPIP°P¶P°CHC†P° PµC,,PµPeC,PëPIPSC-CГC,CH PiC-PrC,PIPµCҗPrP¶CрC"CHCГC¶
C,P°PePsP¶ P·P° PIC,PsCҗPëPSPSPëPjPë P·PjC-PSPSPëPjPë. PµCҗPë P·P°CГC,PsCГCрPIP°PSPSC-
P'C-PsPIPµPSCр Cр CГC...PµPjC- P»C-PeCрPIP°PSPSC¶ P»PµC,P°P»CHPSC-CГC,CH PIC-Pr
COVID-19 C" PrPsCГC,PsPIC-CҗPSPs PjPµPSC€PsCH: Cр PrPsCГР»C-PrP¶CрPIP°PSC-PNë
PiCҗCрPiC- Bҗ" 6,25 % (2 PIPëPiP°PrPePë P· 32 CрC†P°CГPSPëPeC-PI), Cр
PePsPSC,CҗPsP»CHPSC-PNë PiCҗCрPiC- Bҗ" 23,63 % (8 PIPëPiP°PrPeC-PI PSP° 34
CрC†P°CГPSPëPePë), Cҗ=0,039.

PŷP°PePsP¶ PrPsCГC,PsPIC-CҗPSPs P·PjPµPSC€CрC"CHCГC¶ C,CҗPëPIP°P»C-CГC,CH
P»C-PjC,,PsPiPµPSC-C—. PµPµPrC-P°PSP° PrPsCГC¶PiPSPµPSPSC¶ CҗC-PIPSC¶
P»C-PjC,,PsC†PëC,C-PI 1000 PeP»/PjPj³ C- PIPëC°%Pµ Cр PrPsCГР»C-PrP¶CрPIP°PSC-PNë

PiC₇Cr₇PiC- в₇" PSP° 4 PrP_μPSC₇ (PjC-P₇PePIP°C₇C,PeP»CH₇PSP₇PN₇ C-PSC,P_μC₇PIP°P» в₇" 3,00в₇"5,00 PrPSC₇), Cr₇ PePsPSC,C₇PsP»CH₇PSC-PN₇ PiC₇Cr₇PiC- в₇" PSP° 7 PrP_μPSC₇ (PjC-P₇PePIP°C₇C,PeP»CH₇PSP₇PN₇ C-PSC,P_μC₇PIP°P» в₇" 3,00в₇"7,50 PrPSC₇), C₇ = 0,0097.

PαP°C₇PjP°PePsPeC-PSP_μC,PePeP°.

P'P₇Cr₇PsPeP° P_μC,,P_μPeC,PePIPSC-C₇C,CH₇ PiC₇P_μPiP°C₇P°C,Cr₇
P·P°P±P_μP·PiP_μC±Cr₇C",CH₇Cr₇C₇ C₇PIP₇PePrPeP₇ C- C₇C,PsPIC-PrC₇PsC,PePsPIP₇PePj
PSP°PrC...PsPrP₇P_μPSPSC₇Pj P°PSC,PeC,C-P» PrPs PeC₇PsPIP₇C,PsPeCr₇ C-
PSP₇C₇PjP°P»CH₇PSP₇PePj PiP_μC₇C-PsPrPsPj PSP°PiC-PIPIP₇PePIP_μPrP_μPSPSC₇ P·
PsC₇PiP°PSC-P·PjCr₇.

P_μC-C₇P»C₇ PIPSC₇C,C₇C-C₇PSCH₇PsPIP_μPSPSP₇PiPs PIPiP_μPrP_μPSPSC₇
P±C-PsPrPsC₇C,Cr₇PiPSC-C₇C,CH₇ PSP₇C₇PjP°P»CH₇PSP₇PiPs
C-PjCr₇PSP₇PiP»PsP±Cr₇P»C-PSC₇ P»C₇PrP₇PePSP₇ Cr₇ PeC₇PsPIP₇PsP±C-PiCr₇
C₇P_μC±PePiC-C"PSC,P° C" PSP_μPiP°PN₇PSP₇C₇ C,P° PiPsPIPSP₇C₇. P'C-PS
C₇PIP₇PePrPePs C₇PsP·PiPsPrC-P»C₇C",CH₇Cr₇C₇ PjC-P₇ PiP»P°P·PjPsC₇ C,P°
P_μPeC₇C,C₇P°PIP°C₇PeCr₇P»C₇C₇PSP₇C₇ C₇C-PrP₇PePSP₇C₇, PiC₇PeP±P»PeP·PSP₇
C±P_μC₇P_μP· 3-5 PrPSC-PI PrPsC₇C₇PiP°C",CH₇Cr₇C₇ C₇C-PIPSP₇PIP°PiP° PjC-P₇
C-PSC,C₇P°- C,P° P_μPeC₇C,C₇P°PIP°C₇PeCr₇P»C₇C₇PSP₇PePj PiC₇PsC₇C,PsC₇P°PjPe.

P₇PsC₇PjP°P»CH₇PSP₇PN₇ C-PjCr₇PSP₇PiP»PsP±Cr₇P»C-PS P»C₇PrP₇PePSP₇ PjP°C"
PiP_μC₇C-PsPr PSP°PiC-PIPIP₇PePIP_μPrP_μPSPSC₇ PiC₇PeP±P»PeP·PSP₇ 40 PrPSC-PI.
P₇P_μPN₇ PiP_μC₇C-PsPr PSP°PiC-PIPIP₇PePIP_μPrP_μPSPSC₇ PjPsP₇P_μ
PIC-PrC₇C-P·PSC₇C,PeC₇C₇ Cr₇ PePsP₇PSP₇PiPs PsPeC₇P_μPjPsPiPs PiP°C±C-C"PSC,P°,
PsC₇PsP±P»PePIPs PiC₇Pe PiP_μC₇PIP₇PePSPSP₇PjCr₇ C-PjCr₇PSP₇PrP_μC,,C-C±PeC,C-. IgG
C,P° IgG-PePsPjPiP»P_μPeC₇Pe C₇PsP·PiP°PrP°C₇C,CH₇Cr₇C₇ Cr₇ PeP»C-C,PePSP°C...
C₇P_μC,PePeCr₇P»PsP_μPSP₇PsC,P_μP»C-P°P»CH₇PSP₇C— C₇PeC₇C,P_μPjPe.

P₇P»C-PSC-C±PSP_μ PrPsC₇P»C-PrP₇P_μPSPSC₇ PsPeC₇P_μPjPeC... PiP°C₇P°PjP_μC,C₇C-PI
C,,P°C₇PjP°PePsPeC-PSP_μC,PePePe PiC₇P_μPiP°C₇P°C,Cr₇ P'C-PsPIP_μPS
PiC₇PsPIP₇PrP₇»PsC₇CH₇ P·P° Cr₇C±P°C₇C,C₇ 22 PiP°C±C-C"PSC,C-PI. P₇_{PjP°PeC₇}
C₇C,P°PSP₇PIP₇»P° 19,94B±4,73 Pi/P», P₇_{PjP°PeC₇} в₇" 0,63 PiPsPrP₇PePSP₇, AUC_(0-t) в₇"
8309,60B±2631,49 Pi/PiPsPr/P». P'PjC-C₇C, C-PjCr₇PSP₇PiP»PsP±Cr₇P»C-PSC₇ PI PiP»P°P·PjC-
PeC₇PsPIC- C₇C,P°P±C-P»CH₇PSP₇ Cr₇C,C₇PePjCr₇PIP°PIC₇C₇ PIP₇PeC%P_μ
PjC-PSC-PjP°P»CH₇PSP₇PiPs C±C-P»CH₇PsPIP₇PiPs C₇C-PIPSC₇ 5 Pi/P» PiC₇PsC,C₇PiPsPj
PiC₇PePSP°PN₇PjPSC- 28 PrC-P± PiC-C₇P»C₇ PsPrPSP₇C₇P°P·PsPIP₇PiPs PIPiP_μPrP_μPSPSC₇
PiC₇P_μPiP°C₇P°C,Cr₇ P'C-PsPIP_μPS.

P₇P»C-PSC-C±PSC- C...P°C₇P°PeC,P_μC₇PeC₇C,PePePe.

P_μPsPeP°P·P°PSPSC₇.

P>C-PeP°C₇Cr₇CH₇PeP₇PN₇ P·P°C₇C-P± P·P°C₇C,PsC₇PsPIC₇PIP°C,Pe PrPsC₇PsC₇P»PePj,
PrC-C,C₇Pj C,P° PiC-PrP»C-C,PeP°Pj PrP»C₇ P·P°PjC-C₇PSP₇C— C-PjCr₇PSP₇C,P_μC₇P°PiC-C—
Cr₇ PiC₇PsC±P_μC₇C- P»C-PeCr₇PIP°PSPSC₇ PiP_μC₇PIP₇PePSP₇PeC... C- PIC,PsC₇PePSPSP₇PeC...
C-PjCr₇PSP₇PrP_μC,,C-C±PeC,PSP₇PeC... C₇C,P°PSC-PI C- PiPsPI'C₇P·P°PSP₇PeC... P· PSP₇PePjPe
P·P°C...PIP₇C₇CH₇PIP°PSC₇:

- CÍPëPSPPrCĤPsPjC-PI PîPµCĤPIPëPSPSPsPiPs C-PjCÍPSPsPrPµC,,C-C†PëC,CÍ:
PICĤPsPrP¶PµPSP° P°PiP°PjPjP°PiP»PsP±CÍP»C-PSPµPjC-CĬ P°P±Ps
PiC-PîPsPiP°PjPjP°PiP»PsP±CÍP»C-PSPµPjC-CĬ, C,CĬP¶PePëPNë PePsPjP±C-PSPsPIP°PSPëPNë
C-PjCÍPSPsPrPµC,,C-C†PëC,, PSPµPeP»P°CÍPëC,,C-PePsPIP°PSPëPNë
PIP°CĤC-P°P±PµP»CHPSPëPNë C-PjCÍPSPsPrPµC,,C-C†PëC,, CÍPëPSPPrCĤPsPj P'C-CÍPePsC,C,P°
bĤ" PhP»PrCĤPëC†P°;

- PIC,PsCĤPëPSPSPsPiPs CÍPëPSPPrCĤPsPjCÍ PrPµC,,C-C†PëC,CÍ P°PSC,PëC,C-P»:
C†PëC,PsPîPµPSC-C— CĤC-P·PSPsPiPs PiPµPSPµP·CÍ (PiPsCÍC,CĤPëPNë C,P°
C...CĤPsPSC-C†PSPëPNë P»PµPNëPePsP·, P°PiP»P°CÍC,PëC†PSP° P°PSPµPjC-CĬ, CÍC,P°PS
PîC-CÍP»CĬ C,PµCĤP°PîC-C— C†PëC,PsCÍC,P°C,PëPeP°PjPë), C,CĬP¶PeC- C,,PsCĤPjPë
P±P°PeC,PµCĤC-P°P»CHPSPs-C,PsPeCÍPëC†PSPëC... C,P° PIC-CĤCÍCÍPSPëC...
C-PSC,,PµPeC†C-PNë (PIPeP»CĤC†P°CĤC†Pë C...C-CĤCÍCĤPiC-C†PSC-
CÍCÍPeP»P°PrPSPµPSPSCĬ, C%Ps CÍCÍPîCĤPsPIPsPrP¶CÍCĤC,CHCÍCĬ
P±P°PeC,PµCĤC-C"PjC-C"CĤ C- CÍPµPiC,PëPePs-PîC-C"PjC-C†PSPëPjPë CÍC,P°PSP°PjPë, C,P°
CÍCÍPeP»P°PrPSPµPSPSCĬ PîCĤPë PîC-PrPiPsC,PsPIC†C- C...C-CĤCÍCĤPiC-C†PSPëC...
C...PIPsCĤPëC... PrPs PsPiPµCĤP°C†C-C—);

- P°CÍC,PsC-PjCÍPSPSPëC... P·P°C...PIPsCĤCĤPIP°PSCĤ:
C-PrC-PsPîP°C,PëC†PSP° C,CĤPsPjP±PsC†PëC,PsPîPµPSC-C†PSP° PîCÍCĤPîCÍCĤP° P·
PIPëCÍPsPePëPj CĤPëP·PëPePsPj PeCĤPsPIPsC,PµC†C- P°P±Ps PiPµCĤPµPr
C...C-CĤCÍCĤPiC-C†PSPëPj PIC,CĤCÍC†P°PSPSCĬPj bĤ" PrP»CĬ PePsCĤPµPeC†C-C—
PeC-P»CHPePsCÍC,C- C,CĤPsPjP±PsC†PëC,C-PI, CÍPëPSPPrCĤPsPj P"C-C"PSP° bĤ"
P'P°CĤCĤPµ, C...CĤPsPSC-C†PSP° P·P°PiP°P»CHPSP° PSPµPNëCĤPsPîP°C,C-CĬ (C%Ps
PrPµPjC-C"P»C-PSC-P·CÍC"), P·P°PiP°P»CHPSP° PjC-PsPîP°C,C-CĬ,
PiCĤP°PSCÍP»PµPjP°C,PsP· P'PµPiPµPSPµCĤP°, PrPµCĤPjP°C,PsPjC-PsP·PëC,,
CÍPëCÍC,PµPjPSC- P·P°C...PIPsCĤCĤPIP°PSPSCĬ CÍPîPsP»CÍC†PSPsC—
C,PeP°PSPëPSPë (CĤPµPIPjP°C,PsC—PrPSPëPNë P°CĤC,CĤPëC,), CÍPëPSPPrCĤPsPj
PĤP°PIP°CÍP°PeC-;

- C,CĤP°PSCÍPîP»P°PSC,P°C†C-C— PeC-CÍC,PePsPIPsPiPs PjPsP·PeCÍ.

P—P°PjC-CÍPSP° C,PµCĤP°PîC-CĬ CÍ PrPsCĤPsCÍP»PëC..., PrC-C,PµPNë C,P°
PîC-PrP»C-C,PeC-PI (0 bĤ" 18 CĤPsPeC-PI) PîCĤPë:

- CÍPëPSPPrCĤPsPjP°C... PîPµCĤPIPëPSPSPsPiPs C-PjCÍPSPsPrPµC,,C-C†PëC,CÍ (PµP†P")
P· PîPsCĤCÍC€PµPSPSCĬPj PIPëCĤPsP±P»PµPSPSCĬ P°PSC,PëC,C-P»;

- PIC,PsCĤPëPSPSPëC... C-PjCÍPSPsPrPµC,,C-C†PëC,P°C... (P'P†P") CÍ
PîP°C†C-C"PSC,C-PI, CĬPeC- CÍC,CĤP°P¶PrP°CĤC,CH PIC-Pr C,CĬP¶PePëC... P°P±Ps
CĤPµC†PëPrPëPICÍCĤC†PëC... C-PSC,,PµPeC†C-PNë, PSPµPµC,,PµPeC,PëPIPsPiPs
PîCĤPsC,PëPjC-PeCĤPsP±PSPsPiPs P»C-PeCÍPIP°PSPSCĬ, P°P±Ps CÍ CĤP°P·C-, CĬPeC%Ps
PrPsPIPµPrPµPSP° PSPµPrPsCÍC,P°C,PSC-CÍC,CH CÍPîPµC†PëC,,C-C†PSPëC... P°PSC,PëC,C-P»
(P"KÿPĤ*) P°P±Ps CĤC-PIPµPSCĤ IgG CÍ CÍPëCĤPsPIP°C,C†C- <4 Pi/P».

*P"KÿPĤ eĤ" PSPµCÍPîCĤPsPjPsP¶PSC-CÍC,CH PrPsCÍCĬPiPSPµPSPSCĬ
PîCĤPëPSP°PNëPjPSC- PrPIPsPeCĤP°C,PSPsPiPs PîC-PrPIPëC%PµPSPSCĬ C,PëC,CĤCé IgG
PîCĤPsC,Pë PiPSPµPIPjPsPePsPePsPIPsPiPs PiPsP»C-CÍP°C...P°CĤPëPrCé C,P° PIP°PeC†PëPS
PîCĤPsC,Pë PiPsP»C-PiPµPiC,PëPrPSPëC... P°PSC,PëPiPµPSC-PI.

P—P°CÍC,PsCÍPsPICrPIP°C,Pë Cr CÍPeP»P°PrC- PePsPjPiP»PµPeCÍPSPsC— C,PµCḡP°PiC-C— PrPsCḡPsCÍP»PëC... PiP°C†C-C”PSC,C-PI P· C,CḡP¶PePsCḡ PiPSPµPIPjPsPSC-C”Cḡ, CÍPiCḡPëC†PëPSPµPSPsCḡ PePsCḡPsPSP°PIC-CḡCrCÍPSPsCḡ C-PSC,,PµPeC†C-C”Cḡ COVID-19 / SARS-CoV-2.

PµCḡPsC,PëPiPsPeP°P·P°PSPSCḡ.

P”C-PiPµCḡC†CrC,P»PëPIC-CÍC,Cḡ PrPs P±CrPrCḡ-CḡPePsPiPs P· PePsPjPiPsPSPµPSC,C-PI PiCḡPµPiP°CḡP°C,Cr. P”C-PiPµCḡC†CrC,P»PëPIC-CÍC,Cḡ PrPs PiPsPjPsP»PsPiC-C†PSPëC... C-PjCrPSPsPiP»PsP±CrP»C-PSC-PI, PsCÍPsP±P»PëPIPs Cr PrCrP¶Pµ CḡC-PrPeC-CÍPSPëC...B PiPëPiP°PrPeP°C... PrPµC,,C-C†PëC,Cr IgA, PePsP»Pë PiP°C†C-C”PSC, PjP°C” P°PSC,PëC,C-P»P° PrPs IgA. P’PIPµPrPµPSPSCḡ C-PjCrPSPsPiP»PsP±CrP»C-PSCr PiCḡPsC,PëPiPsPeP°P·P°PSPµ PsCÍPsP±P°Pj, CḡPeC- PjP°CḡC,Cḡ PI P°PSP°PjPSPµP·C- C,CḡP¶PeC- P°P»PµCḡPiC-C†PSC- CḡPµP°PeC†C-C— PSP° PIPIPµPrPµPSPSCḡ P±C-P»PePsPiPëC... PiCḡPµPiP°CḡP°C,C-PI PeCḡPsPIC- P»CḡPrPëPSPë. PiPisCḡPëPj, CḡPeC- CÍC,CḡP°P¶PrP°CḡC,Cḡ PSP° P°P»PµCḡPiC-C†PSC- C...PiPsCḡPsP±Pë P°P±Ps PjP°CḡC,Cḡ CÍC...PëP»CḡPSC-CÍC,Cḡ PrPs P°P»PµCḡPiC-C†PSPëC... CḡPµP°PeC†C-PNë, PiCḡPë PIPIPµPrPµPSPSC- C-PjCrPSPsPiP»PsP±CrP»C-PSCr C,P° PI PSP°CÍC,CrPiPSC- 8 PrC-P± CḡPµPePsPjPµPSPPrCrCḡC,CḡCÍCḡ P°PSC,PëPiC-CÍC,P°PjC-PSPSC- P·P°CÍPsP±Pë. PhCÍPsP±P°Pj, CḡPeC- CÍC,CḡP°P¶PrP°CḡC,Cḡ PSP° C-PjCrPSPsPiP°C,PsP»PsPiC-C†PSC- CÍPëCÍC,PµPjPSC- P·P°C...PiPsCḡCḡPiP°PSPSCḡ (C-PjCrPSPSC- C...PiPsCḡPsP±Pë PeCḡPsPIC-, PePsP»P°PiPµPSPsP·, PSPµC,,CḡPëC,), PiCḡPµPiP°CḡP°C, CÍP»C-Pr PiCḡPëP·PSP°C†P°C,Pë PiC-CÍP»Cḡ PePsPSCÍCrP»CḡC,P°C†C-C— P· PIC-PrPiPsPIC-PrPSPëPj CÍPiPµC†C-P°P»C-CÍC,PsPj. Pj PiPµCḡC-PsPr P·P°PiPsCÍC,CḡPµPSPSCḡ P°P»PµCḡPiC-C†PSPsPiPs PiCḡPsC†PµCÍCr PIPIPµPrPµPSPSCḡ PiCḡPµPiP°CḡP°C,Cr PiCḡPsPiPsPrPëC,Pë PiC-CÍP»Cḡ PiPëCÍPSPsPiPeCr P°P»PµCḡPiPsP»PsPiP° P·P° P¶PëC,C,C”PiPëPjPë PiPsPeP°P·P°PSPSCḡPjPë.

PhCÍPsP±P»PëPIC- P·P°C...PsPrPë P±PµP·PiPµPePë.

P”PµCḡPeC- CÍPµCḡPNëPsP·PSC- PiPsP±C-C†PSC- CḡPµP°PeC†C-C— PjPsP¶CrC,Cḡ P±CrC,Pë PiPsPiBḡ™ CḡP·P°PSC- P·C- CëPiPëPrPeC-CÍC,Cḡ PIPIPµPrPµPSPSCḡB PiCḡPµPiP°CḡP°C,Cr. PµP°C†C-C”PSC,Pë, CḡPeC- PsC,CḡPëPjCrCḡC,Cḡ C-PjCrPSPsPiP»PsP±CrP»C-PS PiPiPµCḡCëPµ, P·P°P·PiPëC†P°PNë PIC-PrC†CrPIP°CḡC,Cḡ CÍP»P°P±PeCr PiPsP±C-C†PSCr PrC-Cḡ P· P±C-P»CḡCëPsCḡ C†P°CÍC,PsC,PsCḡ PSC-P¶ C,C-, C...C,Ps P·PSP°C...PsPrCḡC,CḡCÍCḡ PSP° CḡPµPiC†P»CḡCḡPSC-PNë C,PµCḡP°PiC-C— C-PjCrPSPsPiP»PsP±CrP»C-PSPsPj. P’PeP°P·P°PSPëC... PSPëP¶C†Pµ PiP°CḡP°PjPµC,CḡC-PI CëPiPëPrPePsCÍC,C- PIPIPµPrPµPSPSCḡ CÍP»C-Pr PrPsC,CḡPëPjCrPIP°C,PëCÍCḡ, C- P·P° PiP°C†C-C”PSC,P°PjPë PSPµPsP±C...C-PrPSPs CḡPµC,PµP»CḡPSPs CÍPiPsCÍC,PµCḡC-PiP°C,Pë CḡPe PiC-Pr C†P°CÍ C-PSC,,CrP·C-C—, C,P°Pe C- PiCḡPsC,CḡPiPsPj 1 PiPsPrPëPSPë PiC-CÍP»Cḡ P·P°PIPµCḡCëPµPSPSCḡ PiPµCḡCëPsC— C-PSC,,CrP·C-C—. Pj CḡP°P·C- PiPsCḡPiPë PiPsP±C-C†PSPëC... CḡPµP°PeC†C-PNë CëPiPëPrPeC-CÍC,Cḡ C-PSC,,CrP·C-C— PiPsC,CḡC-P±PSPs P·PSPëP·PëC,Pë P°P±Ps PiCḡPëPiPëPSPëC,Pë PIPIPµPrPµPSPSCḡ PiCḡPµPiP°CḡP°C,Cr PrPs P·PSPëPePSPµPSPSCḡ PSPµP±P°P¶P°PSPëC... CÍPëPjPiC,PsPjC-PI. PiPeC%Ps PiC-CÍP»Cḡ PiCḡPëPiPëPSPµPSPSCḡ PIPIPµPrPµPSPSCḡ CÍPëPjPiC,PsPjPë P·P±PµCḡC-PiP°CḡC,CḡCÍCḡ, C,Ps PrPsC†C-P»CḡPSP° CÍPëPjPiC,PsPjP°C,PëC†PSP°

РµС-СГР»СЦ РІР°РёС†РёРSP°С†С-С— РёСґРsС,Рё С†РёС... С-РSC,,РµРёС†С-Р№ РёСґРµРёР°СґР°С, РІР°СґС,Рs РІРІРsРrРёС,Рё РSPµ СґР°РSC-СёРµ, РSC-Р¶ С†РµСґРµРµ 2 С,РёР¶РSC-; Сґ СґР°Р°С- РёРsС,СґРµРµР±Рё Р°Р°СГС,РsСГСґРІР°РSPSCЦ Р°С-РsРІРµРSCґ СґР°РSC-СёРµ С†СґРsРsС С,РµСґРјС-РSCґ РІР°РёС†РёРSP°С†С-Сґ РёСґРsС,Рё РёРsСґСґ Р°Р±Рs РµРёС-РrРµРјС-С†РSPsРs РёР°СґРsС,РёС,Сґ РІР°СґС,Рs РёРsРІС,РsСґРёС,Рё. Р©РµРёР»РµРµРµРSPSCЦ РёСґРsС,Рё С-РSCёРёС... С-РSC,,РµРёС†С-Р№ РјРsР¶СґС,Сґ Р±СґС,Рё РёСґРsРІРµРµРµРSC- Сґ Р±СґРrСґС-СЦРёС- С,РµСґРјС-РSPё РrРs Р°Р±Рs РёС-СГР»СЦ РІРІРµРµРµРSPSCЦ РёСґРµРёР°СґР°С,Сґ.

Р'РёР»РёРР РSP° СґРµРµСґР»СґС,Р°С,Рё СГРµСґРsР»РsРіС-С†РSPёС... С,РµСГС,С-РІ

РµС-СГР»СЦ С-РSБґ™С"РёС†С-С— С-РјСґРSPsРiР»РsР±СґР»С-РSCґ С,РёРјС†Р°Р°СРІРµРµ РёС-РrРІРёС%РµРSPSCЦ Сґ РёСґРsРІС- СґС-РІРSCЦ СґС-Р°РSPёС... Р°РSC,РёС,С-Р», СЦРёС- РёРµСґРµРrР°СґС,СґСГСЦ РёР°СГРёРІРSPs, РјРsР¶Рµ РёСґРёР°РІРµСГС,РёБ РrРs РёРsРјРёР»Р»РёРsРІёС... РёРsР°РёС,РёРІРSPёС... СґРµРµСґР»СґС,Р°С,С-РІ СГРµСґРsР»РsРіС-С†РSPёС... Р°РSP°Р»С-Р°С-РІ.

РµР°СГРёРёРSP° РёРµСґРµРrР°С†Р° Р°РSC,РёС,С-Р» РrРs РµСґРёС,СґРsС†РёС,Р°СґРSPёС... Р°РSC,РёРiРµРSC-РІ, РSP°РёСґРёРёР»Р»Р°Р»Р°Р A, B Р°Р±Рs D, РјРsР¶Рµ РІРiР»Р»РёР°С,Рё РSP° РrРµСЦРёС- СГРµСґРsР»РsРіС-С†РSC- С,РµСГС,Рё РІРёР°РSP°С†РµРSPSCЦ Р°Р»Р»Р°РРSC,РёС,С-Р» РrРs РµСґРёС,СґРsС†РёС,С-РІ (РSP°РёСґРёРёР»Р»Р»Р»Р РSP° С,РµСГС, РґСґРјР±СГР°), РёС-Р»СґРёС-СГС,Сґ СґРµС,РёРёСґР»РsС†РёС,С-РІ С,Р° РiР°РёС,РsРiР»Р»РsР±С-РS.

РґСГРsР±Р»РёРІsСГС,С- Р°СГС,РsСГСґРІР°РSPSCЦ.

Р—Р°СГС,РµСґРµРµРµРµРSPSCЦ С%РsРrРs РІРІРµРµРµРSPSCЦ РёСґРµРёР°СґР°С,Сґ

Р"РµСЦРёС- С,СЦР¶РёС- РёРsР±С-С†РSC- СґРµРµР°С†С-С— РјРsР¶СґС,Сґ Р±СґС,Рё РёРsРiБґ™СЦР°Р°С- Р°С- СёРiРёРrРёС-СГС,Сґ С-РSC,,СґР°С-С—. РҮР»С-Рr СГСґРiРsСґРs РrРsС,СґРёРјСґРiР°С,РёСГСЦ СґРµРёРsРјРsРјРSPrРsРiР°РSPsС— СёРiРёРrРёРsСГС,С- С-РSC,,СґР°С-С—. РµРsС,СґС-Р±РSPs СґРiР°Р¶РSPs РёРsРSC,СґРsР»СґРiР°С,Рё СГС,Р°РS РёР°С†С-С"РSC,Р°С- СґРµС,РµР»РSPs СГС,РµР¶РёС,Рё Р°Р РёРsСЦРiРsСґ Р±СґРrСґС- СЦРёРёС... СГРёРјРiС,РsРјС-РІ РёСґРsС,СЦРiРsРј СґСГСґРsРiРs РёРµСґС-РsРrСґ С-РSC,,СґР°С-С—.

Р"РµСЦРёС- РёРsР±С-С†РSC- СґРµРµР°С†С-С— РјРsР¶СґС,Сґ РiРёРSPёРёР°С,Рё С†Р°СГС,С-СёРµ:

- Сґ СґР°Р°С- РiРёСГРsРёРsС— СёРiРёРrРёРsСГС,С- С-РSC,,СґР°С-С—;

- Сґ РёР°С†С-С"РSC,С-РІ, СЦРёС- РsС,СґРёРјСґСґС,Сґ С-РјСґРSPsРiР»РsР±СґР»С-РS Р»СґРrРёРSPё РSPsСґРјР»СґСґРiРiРµСґРµ, С,Р° СґС-РrРёРs Бґ" РёРsР»Рё РiС-РrР±СґРiР°С"С,СґСГСЦ РёРµСґРµС...С-Рr РSP° С-РјСґРSPsРiР»РsР±СґР»С-РS Р»СґРrРёРSPё РSPsСґРјР»СґСґР» Р°Р±Рs РёРsР»Рё РјРёРSCґРi С,СґРёРiР»Р»Р»Р» С†Р°СГС РјРsРјРSC,Сґ РёРsРiРµСґРµРµРSC— С-РSC,,СґР°С-С—.

РµРsС,РµРSC†С-Р№РSPёС... СґСГРёР»Р»Р»РSPµРSCґ РјРsР¶РSP° СґРSPёРёРSCґС,Рё, СЦРёС%Рs РiРµСґРµРsРSP°С,РёСГСЦ, С%Рs:

- PĭP°C†C-C"°PSC,Pë PSPµC†C†C,P»PëPIC- PrPs C-PjC†PSPsPiP»PsP±C†P»C-PSC† P»C†PrPëPSPë PSPsC†PjP°P»CHPSPsPiPs PĭC†Pë PĭPµC†C†C†PjC† PĭPsPIC-P»CHPSPsPjC† PĭPµPrPµPSPSC- PĭC†PµPĭP°C†P°C,C† C†P»C†C...PsPj C-PSC,,C†P·C-C—;

- PĭP°C†C-C"°PSC,Pë P·PSP°C...PsPrC†C,C†C†C†C PĭC-Pr C†PµC,PµP»CHPSPëPj PePsPSC,C†PjP»PµPj C%°PsPrPs PĭPsC†PĭPë P±C†PrCH-C†PëPëC... C†PëPjPĭC,PsPjC-PI PĭC†PjPsC,C†PĭPsPj C†C†CHPSPsPiPs PĭPµC†C-PsPrC† C-PSC,,C†P·C-C—. P—PsPeC†PµPjP°, C%°PsP± PĭPëC†PĭPëC,Pë PsP·PSP°PePë PĭPsC,PµPSC†C-PMSPsPiPs PSPµP±P°P†P°PSPsPiPs PĭPĭP»PëPIC†, PĭC-Pr C†P°C† PĭPµC†C†C— C-PSC,,C†P·C-C— C- PI PĭPµC†C†C† PĭPsPrPëPSC† PĭC-C†P»C† PĭPµC†C†C— C-PSC,,C†P·C-C— PĭPsC,C†C-P±PSPs PePsPSC,C†PjP»C†PĭP°C,Pë C†C,P°PS PĭP°C†C-C"°PSC,C-PI, C†PëC- PSPµ PsC,C†PëPjC†PĭP°P»Pë C†P°PSC-C†Pµ PĭC†PµPĭP°C†P°C,Pë C-PjC†PSPsPiP»PsP±C†P»C-PSC†, C†PëC- PsC,C†PëPjC†PĭP°P»Pë P»C-PeC†PĭP°PSPSC† P°P»CHC,PµC†PSP°C,PëPĭPSPëPj PĭC†PµPĭP°C†P°C,PsPj C,P° C,PëC..., C† PePsPiPs P±C†P»P° C,C†PëPĭP°P»P° PĭPµC†PµC†PĭP° PĭC-C†P»C† PsC†C,P°PSPSCHPSPsPiPs PĭPµPrPµPSPSC† C-PjC†PSPsPiP»PsP±C†P»C-PSC†. PŷP°PePëPj PĭP°C†C-C"°PSC,P°Pj PĭPsC,C†C-P±PµPS PePsPSC,C†PjP»CH PĭC†PjPsC,C†PĭPsPj C†C†CHPSPsPiPs PĭPµC†C-PsPrC† PĭPµC†C†C— C-PSC,,C†P·C-C—, P° C,P°PePsP† PĭC†PjPsC,C†PĭPsPj 1 PĭPsPrPëPSPë PĭC-C†P»C† P·P°PĭPµC†C†C†PµPSPSC† PĭPµPrPµPSPSC†. PjC†C-Pj C-PSC†PëPj PĭP°C†C-C"°PSC,P°Pj C†P»C-Pr P·PSP°C...PsPrPëC,PëC†C† PĭC-Pr PjPµPrPëC†PSPëPj PSP°PĭP»C†P†PsPj PĭC†PjPsC,C†PĭPsPj PĭPµC†C†PëC... 20 C...PĭPëP»PëPS PĭC-C†P»C† PĭPµPrPµPSPSC†.

Pj C†P°P·C- PĭPsC†PĭPë PĭPsP±C-C†PSPsC— C†PµP°PeC†C-C— PĭPsC,C†C-P±PSPs P°P±Ps P·PjPµPSC†PëC,Pë C†PĭPëPrPeC-C†C,CH PĭPµPrPµPSPSC†, P°P±Ps P·C†PĭPëPSPëC,Pë C-PSC,,C†P·C-C†. P†PµPsP±C...C-PrPSPµ P»C-PeC†PĭP°PSPSC† P·P°P»PµP†PëC,CH PIC-Pr C...P°C†P°PeC,PµC†C† C- C,C†P†PePsC†C,C- PĭPsP±C-C†PSPsC— C†PµP°PeC†C-C—. Pj C†P°P·C- C†PjP·PĭPëC,PeC† C†PjPeC† C†P»C-Pr PĭC†PjPĭPsPrPëC,Pë P»C-PeC†PĭP°P»CHPSC- P·P°C...PsPrPë PIC-PrPĭPsPIC-PrPSPs PrPs P·P°C,PĭPµC†P†PµPSPëC... C†PµPePsPjPµPSP†P°C†C-PM P· PĭC†PjPĭPµPrPµPSPSC† PĭC†PjPsC,PëC†PjPePsPiPsC— C,PµC†P°PĭC-C—.

P"°P»C† PIC†C-C... PĭP°C†C-C"°PSC,C-PI PĭC†Pë PĭPµPrPµPSPSC- IgG PĭPsC,C†C-P±PSPs:

- PĭC†PjPĭPµC†C,Pë P°PrPµPePĭP°C,PSC† PĭC-PrC†P°C,P°C†C-C† PĭPµC†PµPr PĭPsC†P°C,PePsPj C-PSC,,C†P·C-C— IgG;

- PePsPSC,C†PjP»C†PĭP°C,Pë PrC-C†C†PµP·;

- PePsPSC,C†PjP»C†PĭP°C,Pë C†C-PIPSC- PeC†PµP°C,PëPSC-PSC† C† C†PëC†PjPĭP°C,C†C- PeC†PjPIC-;

- C†PSPëPeP°C,Pë C†C†PĭC†C,PSCHPSPsPiPs PĭPëPePsC†PëC†C,P°PSPSC† PĭPµC,P»CHPSPĭPëC... PrC-C†C†PµC,PëPeC-PI.

P"C-PĭPµC†C†C†C,P»PëPIC-C†C,CH

P†PSP†C†C,CH PĭPëPSPëPePSC†C,Pë C†PµC†PµP°PsP·PSC- P°P»PµC†PĭC-C†PSC- C†PµP°PeC†C-C—. Pj P·PĭP†TM C†P·PeC† P· C†PëPj PsC†PjP±Pë, C†PëC- PsPrPµC†P†P°P»Pë PĭC†PµPĭP°C†P°C,, PĭPsPĭPëPSPSC- PĭPµC†PµP±C†PĭP°C,Pë PĭC-Pr PjPµPrPëC†PSPëPj PSP°PĭP»C†P†PsPj PĭC†PjPsC,C†PĭPsPj 30 C...PĭPëP»PëPS. Pj C†P°P·C- PĭPëPSPëPePSPµPSPSC† C,P°PePëC... C†PµP°PeC†C-PM PĭPµPrPµPSPSC† PĭC†PµPĭP°C†P°C,C† P·C-PsPĭPµPS C†P»C†C...PsPj C-PSC,,C†P·C-C— C†P»C-Pr PSPµPĭP°PMSPs PĭC†PëPĭPëPSPëC,Pë C,P° P·P°C†C,PsC†C†PĭP°C,Pë PIC-PrPĭPsPIC-PrPSPµ P»C-PeC†PĭP°PSPSC†. Pj PĭP°C†C-C"°PSC,C-PI P·

PrPμC,,C-C†PēC,PsPj C-PjCfPSPsPiP»PsP±CfP»C-PSCf Pḡ C,P° PSP°CḶIPSPēPjPē
P°PSC,PēC,C-P»P°PjPē PrPs C-PjCfPSPsPiP»PsP±CfP»C-PSCf Pḡ C-CfPSCfC” P·PSP°C‡PSPēPNē
CḡPēP·PēPe CḡPsP·PIPēC,PeCf CfPμCḡPNēPsP·PSPēC... P°P»PμCḡPiC-C‡PSPēC... C,P°
P°PSP°C,,C-P»P°PeC,PsC—PrPSPēC... CḡPμP°PeC†C-PNē, CḶPeC- PjPsPḡCfC,CH
PIPēPSPēPePSCfC,Pē Cf P·PIBḡ™ CḶP·PeCf P·PIPIPμPrPμPSPSCḶPj PiCḡPμPiP°CḡP°C,Cf
P’C-PsPIPμPS.

PJ CḡC-PrPeC-CfPSPēC... PIPēPiP°PrPeP°C... C-PjCfPSPsPiP»PsP±CfP»C-PS P»CḡPrPēPSPē
PSPsCḡPjP°P»CHPSPēPNē PjPsPḡPμ CfPiCḡPēC‡PēPSCḶC,Pē P·PSPēPḡPμPSPSCḶ
P°CḡC,PμCḡC-P°P»CHPSPsPiPs C,PēCfPeCf P· P°PSP°C,,C-P»P°PeC,PēC‡PSPsCḡ
CḡPμP°PeC†C-C”Cḡ, PSP°PIC-C,CH Cf PiP°C†C-C”PSC,C-PI, CḶPeC- PsC,CḡPēPjCfPIP°P»Pē
PiPsPiPμCḡPμPrPSC” P»C-PeCfPIP°PSPSCḶ C-PjCfPSPsPiP»PsP±CfP»C-PSPsPj P»CḡPrPēPSPē
PSPsCḡPjP°P»CHPSPēPj.

PkPēCḡPePsPIP° PSPμPrPsCfC,P°C,PSC-CfC,CH

PJ PiP°C†C-C”PSC,C-PI, CḶPeC- PiCḡPsC...PsPrPēP»Pē C,PμCḡP°PiC-Cḡ IgG,
P±CfP»Pē PIPēPiP°PrPePē PiPsCfC,CḡPsC— PSPēCḡPePsPIPsC— PSPμPrPsCfC,P°C,PSPsCfC,C-,
C°Ps PIPeP»CḡC‡P°P»Pē PiPsCfC,CḡCf PSPēCḡPePsPICf PSPμPrPsCfC,P°C,PSC-CfC,CH,
PiPsCfC,CḡPēPNē C,CfP±CfP»CḶCḡPSPēPNē PSPμPeCḡPsP·, PiCḡPsPeCfPēPjP°P»CHPSCf
C,CfP±CfP»CḶCḡPSCf PSPμC,,CḡPsPiP°C,C-Cḡ C- PsCfPjPsC,PēC‡PSPēPNē PSPμC,,CḡPsP·. PJ
P±C-P»CHCēPsCfC,C- PIPēPiP°PrPeC-PI P±CfP»Pē PIPēP·PSP°C‡PμPSC- C,,P°PeC,PsCḡPē
CḡPēP·PēPeCf, C,P°PeC- CḶPe PiPsPiPμCḡPμPrPSCḡPs C-CfPSCfCḡC‡P° PSPēCḡPePsPIP°
PSPμPrPsCfC,P°C,PSC-CfC,CH, C†CfPeCḡPsPIPēPNē PrC-P°P±PμC,, PiC-PiPsPIPsP»PμPjC-CḶ,
PSP°PrPjC-CḡPSP° PjP°CfP° C,C-P»P°, CfCfPiCfC,PSC- PSPμC,,CḡPsC,PsPeCfPēC‡PSC-
P»C-PeP°CḡCfCHPeC- PiCḡPμPiP°CḡP°C,Pē, PIC-Pe PiP°C†C-C”PSC,P° PIC-Pr 65 CḡPsPeC-PI,
CfPμPiCfPēCf P°P±Ps PiP°CḡP°PiCḡPsC,PμC—PSPμPjC-CḶ.

PμPsPIC-PrPsPjP»PμPSPSCḶ PiCḡPs PSPēCḡPePsPICf PrPēCfC,,CfPSPeC†C-Cḡ C- PiPsCfC,CḡCf
PSPēCḡPePsPICf PSPμPrPsCfC,P°C,PSC-CfC,CH P±CfP»Pē PiPsPIBḡ™ CḶP·P°PSC- C-P·
PIPēPePsCḡPēCfC,P°PSPSCḶPj P±P°PiP°C,CHPsC... P»C-C†PμPSP·PsPIP°PSPēC...
PiCḡPμPiP°CḡP°C,C-PI IgG, C°Ps PjC-CfC,CḶC,CH CḡC-P·PSC- PrPsPiPsPjC-PḡPSC-
CḡPμC‡PsPIPēPSPē, C,P°PeC- CḶPe CfP°C...P°CḡPsP·P°, PiP»CḡPePsP·P° C,P°
PjP°P»CHC,PsP·P°. PhCfPsP±P»PēPIPs PIPμP»PēPeP° C‡P°CfC,PeP° PIC-Pr
P·P°PiP°P»CHPSPsC— PeC-P»CHPePsCfC,C- CfC,PsCfCfC”C,CHCfCḶ PiCḡPμPiP°CḡP°C,C-PI,
C°Ps PjC-CfC,CḶC,CH CfP°C...P°CḡPsP·Cf CḶPe CfC,P°P±C-P»C-P·P°C,PsCḡ. P”P»CḶ
PiP°C†C-C”PSC,C-PI P· PiC-PrPIPēC°PμPSPēPj CḡPēP·PēPePsPj PjPsPḡPSP°
CḡPsP·PiP»CḶPSCfC,Pē PjPsPḡP»PēPIC-CfC,CH PIPēPePsCḡPēCfC,P°PSPSCḶ
PiCḡPμPiP°CḡP°C,C-PI IgG, CḶPeC- PSPμ PjC-CfC,CḶC,CH PIPēC°PμP·P°P·PSP°C‡PμPSPēC...
PrPsPiPsPjC-PḡPSPēC... CḡPμC‡PsPIPēPS.

PμPμCḡPμPr PiPsC‡P°C,PePsPj PIPμPrPμPSPSCḶ PiCḡPμPiP°CḡP°C,Cf P’C-PsPIPμPS
CēP»CḶC...PsPj C-PSC,,CfP·C-C— CfP»C-Pr PiPμCḡPμPePsPSP°C,PēCfCḶ, C°Ps Cf
PiP°C†C-C”PSC,P° PIC-PrCfCfC,PSC- PsP·PSP°PePē PrPμPiC-PrCḡP°C,P°C†C-C—.

P”P»CḶ PiP°C†C-C”PSC,C-PI P· PiPsC,PμPSC†C-PNēPSPēPj CḡPēP·PēPePsPj CḡPsP·PIPēC,PeCf
PiPsCfC,CḡPsC— PSPēCḡPePsPIPsC— PSPμPrPsCfC,P°C,PSPsCfC,C- CfP»C-Pr
P·PrC-PNēCfPSCḡPIP°C,Pē PiPμCḡC-PsPrPēC‡PSPēPNē PjPsPSC-C,PsCḡPēPSPi C,,CfPSPeC†C-C—
PSPēCḡPsPe C,P° PrC-CfCḡPμP·Cf. PμPsPeP°P·PSPēPePē C,,CfPSPeC†C-C— PSPēCḡPsPe,
PIPeP»CḡC‡P°CḡC‡Pē CḡC-PIPμPSCḡ P°P·PsC,Cf CfPμC‡PsPIPēPSPē PeCḡPsPIC-
(PḡPŸPḡ)/PeCḡPμP°C,PēPSC-PSCf CfPēCḡPsPIP°C,PePē PeCḡPsPIC-, CfP»C-Pr
PsC†C-PSCḡPIP°C,Pē PrPs PiPμCḡCēPsPiPs PIPμPrPμPSPSCḶ PiCḡPμPiP°CḡP°C,Cf

Р'С-РsPIРμPS C,Р° PīC-СГР»CЦ C†CHPsPiPs C‡PμCḡPμP· PīPμPIPS- PīCḡPsPjC-P¶PePē C‡P°СГCr. PμCḡPē PīPsPiC-CḡC€PμPSPSC- C,,CḡPSPeC†C-РsPSCḡPIР°PSPSCЦ PSPēCḡPsPe СГР»C-Pr PīCḡPēPīPēPSPēC,Pē P·P°СГC,PsСГCrPIР°PSPSCЦ PīCḡPμPīP°CḡP°C,Cḡ.

P"Р»CЦ PīP°C†C-C"PS-С-PI P· PīPsC,PμPSC†C-РN₆PSPēPj CḡPēP·PēPePsPj CḡPsP·PIPēC,PeCḡ PīPsCḡCrC€PμPSPSCЦ C,,CḡPSPeC†C-РsPSCḡPIР°PSPSCЦ PSPēCḡPsPe C,Р°/Р°P±Ps CḡPsP·PIPēC,PeCḡ C,CḡPsPjP±PsC,PēC‡PSPēC... CrСГPeP»P°PrPSPμPSCḡ СГР»C-Pr PsP±PμCḡPμP¶PSPs P·PjPμPSC€CḡPIР°C,Pē PeC-P»CHPeC-СГC,CH PīCḡPμPīP°CḡP°C,Cḡ P'С-РsPIРμPS, PIPIРμPrPμPSPsPiPs P·P° PsPrPēPSPēC†Cḡ C‡P°СГCr.

P"С-PiPμCḡPīCḡPsC,PμC—PSPμPjC-CЦ

P"С-PiPμCḡPīCḡPsC,PμC—PSPμPjC-CЦ, PīC-PrPIPēC%PμPSPSCЦ PīBḡ™ CЦP·PePsСГC,C- СГPēCḡPsPIР°C,PePē PeCḡPsPIC- C,Р° PīC-PiPsPSP°C,CḡC-C"PjC-CЦ PjPsP¶CḡC,CH PIPēPSPēPePSCḡC,Pē Cr PīP°C†C-C"PS-С-PI, CЦPeC- PsC,CḡPēPjCḡCḡC,CH P»C-PeCḡPIР°PSPSCЦ C-PjCḡPSPsPiP»PsP±CḡP»C-PSPsPj. P"С-PiPsPSP°C,CḡC-C"PjC-CЦ PjPsP¶Pμ PIPēCЦPIPēC,PēСГCЦ PīCḡPμPIPrPsPiC-PiPsPSP°C,CḡC-C"PjC-C"ḡC, C%Ps PīCḡPsCЦPIР»CЦC"С,CHСГCЦ P·PjPμPSC€PμPSPsCḡ PsP±C‡PēСГP»PμPSPsCḡ PsСГPjPsP»CЦCḡPSPsPiPs C-PSC,PμCḡPIР°P»Cḡ. PḡP»C-PSC-C‡PSPs PIP°P¶P»PēIPs PIC-PrCḡC-P·PSPēC,Pē СГPīCḡP°PIР¶PSCḡ PiC-PiPsPSP°C,CḡC-C"PjC-Cḡ PIC-Pr PīCḡPμPIPrPsPiC-PiPsPSP°C,CḡC-C"PjC-C—, PsСГPeC-P»CHPePē PīCḡPē P·PjPμPSC€PμPSPSC- PIC-P»CHPSPsC— PIPsPrPē Cr СГPēCḡPsPIР°C,C†C- PeCḡPsPIC- C†C-P»CHPsPIРμ P»C-PeCḡPIР°PSPSCЦ PīP°C†C-C"PS-С-PI C-P· PīCḡPμPIPrPsPiC-PiPsPSP°C,CḡC-C"PjC-C"ḡC PjPsP¶Pμ PīCḡPēP·PIРμСГC,Pē PrPs PrPμPiC-PrCḡP°C,P°C†C-C—, Cr P·PīBḡ™ CЦP·PeCḡ P· C‡PēPj PīC-PrPIPēC%CrC"С,CHСГCЦ PīBḡ™ CЦP·PeC-СГC,CH СГPēCḡPsPIР°C,PePē PeCḡPsPIC- C,Р° PjPsP¶Pμ PIPēPSPēPePSCḡC,Pē C,CḡPsPjP±PsPμPjP±PsP»C-C‡PSPμ CrСГPeP»P°PrPSPμPSPSCЦ.

PḡCḡPsPjP±PsPμPjP±PsP»C-C‡PSC- CḡСГPeP»P°PrPSPμPSPSCЦ

P'PSP°СГР»C-PrPsPe P»C-PeCḡPIР°PSPSCЦ PīCḡPμPīP°CḡP°C,Р°PjPē C-PjCḡPSPsPiP»PsP±CḡP»C-PSCḡ PjPsP¶Pμ PIPēPSPēPePSCḡC,Pē C,CḡPsPjP±PsP·. PαP°PeC,PsCḡPē CḡPēP·PēPeCḡ: PsP¶PēCḡC-PSPSCЦ, P°C,PμCḡPsСГPeP»PμCḡPsP· PI P°PSP°PjPSPμP·C-, PīPsCḡCrC€PμPSPSCЦ СГPμCḡC†PμPIPsPiPs PIPēPePēPrCḡ, P°CḡC,PμCḡC-P°P»CHPSP° PiC-PiPμCḡC,PμPSP·C-CЦ, C†CḡPeCḡPsPIPēPμ PrC-P°P±PμC, P· PSP°CЦPIPS-СГC,Cḡ PI P°PSP°PjPSPμP·C- P·P°C...PIPsCḡCḡPIР°PSPSCЦ СГCrPrPēPS C- PIPēPīP°PrPeC-PI C,CḡPsPjP±PsP·Cḡ, PSP°P±CḡC,P° P°P±Ps СГPīP°PrPePsPIР° C,CḡPsPjP±PsC,,C-P»C-CЦ, C,CЦP¶PeP° PiC-PiPsPIPsP»PμPjC-CЦ, P·P°C...PIPsCḡCḡPIР°PSPSCЦ, CЦPeC- PīC-PrPIPēC%CrCḡC,CH PīBḡ™ CЦP·PeC-СГC,CH PeCḡPsPIC-, P»C-C,PSC-РN₆ PIC-Pe, C,CḡPēPIР°P»P° C-PjPjPsP±C-P»C-P·P°C†C-CЦ, СГC,P°PSPē PiC-PiPμCḡPePsP°PiCḡP»CЦC†C-C—, PIPμPSPsP·PSPēPμ P°P±Ps P°CḡC,PμCḡC-P°P»CHPSPēPμ C,CḡPsPjP±PsP· PI P°PSP°PjPSPμP·C-, P·P°СГC,PsСГCrPIР°PSPSCЦ PμСГC,CḡPsPiPμPSC-PI, PIPēPePsCḡPēСГC,P°PSPSCЦ PīPsСГC,C-РN₆PSPēC... C†PμPSC,CḡP°P»CHPSPēC... PeP°C,PμC,PμCḡC-PI Cr СГCrPrPēPSP°C..., PīC-PrPIPēC%PμPSP° PīBḡ™ CЦP·PeC-СГC,CH PeCḡPsPIC- C,P° CḡPēP·PēPe СГPμCḡC†PμPIPs-СГCrPrPēPSPSPēC... P·P°C...PIPsCḡCḡPIР°PSCḡ. PḡCḡPsPjP±PsP· C,P°PePsP¶ PjPsP¶Pμ PIPēPSPēPePSCḡC,Pē PSP°PIC-C,CH Cr CḡP°P·C- PIC-PrСГCrC,PSPsСГC,C- PIC-PrPsPjPēC... C,,P°PeC,PsCḡC-PI CḡPēP·PēPeCḡ.

PḡP»C-Pr P·PrC-РN₆СГPSPēC,Pē P·P°PiP°P»CHPSCḡ PsC†C-PSPeCḡ PīBḡ™ CЦP·PePsСГC,C- PeCḡPsPIC- Cr PīP°C†C-C"PS-С-PI P· CḡPēP·PēPePsPj PīC-PrPIPēC%PμPSPsC— PīBḡ™ CЦP·PePsСГC,C-, PIPeP»CḡC‡P°CḡC‡Pē PīPsPīBḡ™ CЦP·P°PSCḡ P·

PeC₇C-PsPiP»PsP±C₇P»C-PSP°PjPë, C...C-P»PsPjC-PeC₇PsPSPµPjC-C''C₇
 PiPsP»PsPrC₇PIP°PSPSC₇/ PiPsPjC-C,PSPs PIPëC₇PsPePëPj C₇C-PIPSPµPj
 C,C₇PëPiP»C-C₇PµC₇PsP»C-PI (C,C₇PëPiP»C-C₇PµC₇PëPrC-PI) P°P±Ps
 PjPsPSPsPeP»PsPSP°P»CH₇PSPsC₇ PiP°PjPsPiP°C,C-C''C₇. P''P»C₇ PiP°C₇C-C''PSC,C-PI P·
 C₇PëP·PëPePsPj PIPëPSPëPePSPµPSPSC₇ C,C₇PsPjP±PsP·C₇ PiC₇P°PeC,PëPeC₇C''C,C₇CH₇C₇C₇
 PIPiPµPrPµPSPSC₇ PiC₇PµPiP°C₇P°C,C-PI C-PjC₇PSPsPiP»PsP±C₇P»C-PSC₇ C₇
 PjC-PSC-PjP°P»CH₇PSPëC... PrPsP·P°C... C,P° P· PjC-PSC-PjP°P»CH₇PSPsC₇
 C€PIPëPrPeC-C₇C,C₇ C-PSC,,C₇P·C-C—. PµPµC₇PµPr P·P°C₇C,PSC₇C₇PIP°PSPSC₇Pj
 PiC₇PµPiP°C₇P°C,C₇ C₇P»C-Pr PiPµC₇PµPePsPSP°C,PëC₇C₇ C₇ PSP°P»PµP₇PSPsPjC₇
 C₇C-PIPSC- PiC-PrC₇P°C,P°C₇C-C— PiP°C₇C-C''PSC,P°. Pj PiP°C₇C-C''PSC,C-PI P·
 C₇PëP·PëPePsPj PIPëPSPëPePSPµPSPSC₇ PiC-PrPIPëC%PµPSPsC— PiB₇TM C₇P·PePsC₇C,C-
 C₇P»C-Pr P·PrC-PNëC₇PSC₇PIP°C,Pë PePsPSC,C₇PsP»CH₇ C₇PëPjPiC,PsPjC-PI C,C₇PsPjP±PsP·C₇
 C,P° PsC₇C-PSPeC₇ PiB₇TM C₇P·PePsC₇C,C- PeC₇PsPIC-.

PÿPëPSPrC₇PsPj P°C₇PµPiC,PëC±PSPsPiPs PjPµPSC-PSPiC-C,C₇

PiPe PiPsPIC-PrPsPjP»C₇P»PsC₇C₇, C₇PëPSPrC₇PsPj P°C₇PµPiC,PëC±PSPsPiPs
 PjPµPSC-PSPiC-C,C₇ (PÿP₇P₇) PjPsP₇Pµ C₇C-PrPePs PIPëPSPëPeP°C,Pë C₇ P·PiB₇TM C₇P·PeC₇ P·
 P»C-PeC₇PIP°PSPSC₇Pj PiC₇PµPiP°C₇P°C,P°PjPë C-PjC₇PSPsPiP»PsP±C₇P»C-PSC₇.
 PµC₇PëPiPëPSPµPSPSC₇ P»C-PeC₇PIP°PSPSC₇ C,P°PePëPjPë PiC₇PµPiP°C₇P°C,P°PjPë
 C₇PiC₇PëC₇C₇ C₇PµPjC-C₇C— PÿP₇P₇ P±PµP· C₇C₇PeP»P°PrPSPµPSC₇ PiC₇PsC,C₇PiPsPj
 PeC-P»CH₇PePsC... PrPSC-PI. PiPµPNë C₇PëPSPrC₇PsPj P·P°P·PIPëC±P°PNë
 P·B₇TM C₇PIP»C₇C₇C,C₇CH₇C₇C₇ PiC₇PsC,C₇PiPsPj PiPµC₇C-PsPrC₇ PIC-Pr PeC-P»CH₇PePsC...
 PiPsPrPëPS PrPs PrPIPsC... PrPSC-PI PiC-C₇P»C₇ P»C-PeC₇PIP°PSPSC₇
 PiC₇PµPiP°C₇P°C,P°PjPë C-PjC₇PSPsPiP»PsP±C₇P»C-PSC₇ C,P° C—C... C€PIPëPrPePsPiPs
 PIPiPµPrPµPSPSC₇. PiPµ C...P°C₇P°PeC,PµC₇PëP·C₇C,C₇CH₇C₇C₇ C₇PëPjPiC,PsPjP°PjPë, C%Ps
 PIPeP»CH₇C±P°C₇C,C₇ C₇PëP»CH₇PSPëPNë PiPsP»PsPIPSPëPNë P±C-P»CH₇,
 C₇PëPiC-PrPSC-C₇C,C₇ PjB₇TM C₇P·C-PI PiPsC,PëP»PëC₇C-, C₇PsPSP»PëPIC-C₇C,C₇,
 PiP°C₇C₇C₇PeC₇, C,,PsC,PsC,,PsP±C-C₇, P±PsP»CH₇PsPIC- PIC-PrC₇C₇C,C,C₇ PiC-Pr C±P°C₇
 C₇C₇C...C₇ PsC±PµPNë, PSC₇PrPsC,C₇ C,P° P±P»CH₇PIP°PSPSC₇. P PµP·C₇P»CH₇C,P°C,Pë
 PrPsC₇P»C-PrP₇PµPSC₇ C₇PµC₇PµP±C₇PsC₇PiC-PSP°P»CH₇PSPsC— C₇C-PrPëPSPë (PiPÿP)
 C±P°C₇C,Ps C'' PiPsP·PëC,PëPIPSPëPjPë PSP° PiP»PµPsC₇PëC,PsP· P· PeC-P»CH₇PePsPjP°
 C,PëC₇C₇C₇PeP»C-C,PëPS PSP° 1 PjP₇³, PiPµC₇PµPIP°P₇PSPs
 PiC₇P°PSC₇P»PsC₇PëC,P°C₇PSPsPiPs C₇C₇PIPrC₇, C,P° PiC-PrPIPëC%PµPSPSC₇ C₇C-PIPSC-PI
 P±C-P»PeC-PI PrPs PeC-P»CH₇PePsC... C₇PsC,PµPSC₇ PjPi/PrP». PµP°C₇C-C''PSC,Pë, C₇
 C₇PePëC... PSP°C₇PIPSC- C,P°PeC- C₇PëPjPiC,PsPjPë, PiPsPIPëPSPSC- PiC₇PsPNëC,Pë
 PSPµPIC₇PsP»PsPiC-C±PSPµ PsP±C₇C,PµP₇PµPSPSC₇, PIPeP»CH₇C±P°C₇C±Pë
 PrPsC₇P»C-PrP₇PµPSPSC₇ PiPÿP , PrP»C₇ PIPëPeP»CH₇C±PµPSPSC₇ C-PSC€PëC...
 PiC₇PëC±PëPS PjPµPSC-PSPiC-C,C₇. PµP°C₇C-C''PSC,Pë, C₇PeC- PjP°C₇C,C₇ PI
 P°PSP°PjPSPµP·C- PjC-PiC₇PµPSC₇, C'' P±C-P»CH₇C€ C₇C...PëP»CH₇PSPëPjPë PrPs
 PSC₇PsPiPs. PÿPëPSPrC₇PsPj PjPµPSC-PSPiC-C,PSPsPiPs C₇PµPiC₇PëC₇C₇ PjPsP₇Pµ
 C,C₇P°PiP»C₇C,PëC₇C₇ C±P°C₇C,C-C€Pµ PiC₇Pë P»C-PeC₇PIP°PSPSC- PIPëC₇PsPePëPjPë
 PrPsP·P°PjPë IgG.

P''PµPjPsP»C-P·

PµC₇PµPiP°C₇P°C,Pë C-PjC₇PSPsPiP»PsP±C₇P»C-PSC₇ PjPsP₇PµC₇C,C₇ PjC-C₇C,PëC,Pë
 P°PSC,PëC,C-P»P° PiC₇C₇Pi PeC₇PsPIC-, C%Ps PjPsP₇PµC₇C,C₇ PrC-C₇C,Pë C₇Pe
 PiPµPjPsP»C-P·PëPSPë C,P° C₇PiC₇PëC₇C₇,Pë *in vivo* PiPsPeC₇PëC,C,C₇
 PµC₇PëC,C₇PsC₇PëC,C-PI PsP±PsP»PsPSPePsC₇ P· C-PjC₇PSPsPiP»PsP±C₇P»C-PSC₇, C%Ps
 C₇PiC₇PëC±PëPSC₇C'' PiC₇C₇PjC₇ PiPsP·PëC,PëPIPSC₇ C₇PµP°PeC₇C-C₇
 C-PjC₇PSPsPiP»PsP±C₇P»C-PSC₇ C,P° P·C₇C-PrPeP° PiPµPjPsP»C-P·. P''PµPjPsP»C-C,PëC±PSP°

P°PSPµPjC-CΠ PjPsP¶Pµ PIPëPSPëPePSCrC,Pë Cr P·PIBḡ™ CΠP·PeCr P· P»C-PeCrPIP°PSPSCΠPj C-PjCrPSPsPiP»PsP±CrP»C-PSP°PjPë, PIPSP°CΓP»C-PrPsPe P·P±C-P»CHCεPµPSPSCΠ CΓPµPePIPµCΓC,CḡP°C†C-C— PµCḡPëC,CḡPsC†PëC,C-PI. PµP°C†C-C”PSC,C-PI, CΠPeC-PsC,CḡPëPjCrCḡC,CH P»C-PeCrPIP°PSPSCΠ C-PjCrPSPsPiP»PsP±CrP»C-PSP°PjPë, CΓP»C-Pr PePsPSC,CḡPsP»CḡPIP°C,Pë PSP° PSP°CΠPIPSC-CΓC,CH PeP»C-PSC-C†PSPëC... CΓPëPjPiC,PsPjC-PI PiPµPjPsP»C-P·Cr. PµCḡPë PiPsCΠPIC- C,P°PePëC... CΓPëPjPiC,PsPjC-PI PiC-CΓP»CΠ PIPµPrPµPSPSCΠ C-PjCrPSPsPiP»PsP±CrP»C-PSCr CεP»CΠC...PsPj C-PSC,,CΓP·C-C— CΓP»C-Pr P·PrC-PNëCΓPSPëC,Pë P»P°P±PsCḡP°C,PsCḡPSC- P°PSP°P»C-P·Pë PrP»CΠ PiC-PrC,PIPµCḡPrP¶PµPSPSCΠ PiPµPjPsP»C-P·Cr.

PŸPëPSPrCḡPsPj PiPsCΓC,CḡPsPiPs PiPsCΓC,C,CḡP°PSCΓC,,CzP·C-PNëPSPsPiPs CzCεPePsPrP¶PµPSPSCΠ P»PµPiPµPSCḡ

PµPsPIC-PrPsPjP»CΠP»PsCΓCΠ PiCḡPs PSPµPeP°CḡPrC-PsPiPµPSPSPëPNë PSP°P±CḡCΠPe P»PµPiPµPSCḡ (CΓPëPSPrCḡPsPj PiPsCΓC,CḡPsPiPs PiPsCΓC,C,CḡP°PSCΓC,,CΓP·C-PNëPSPsPiPs CrCεPePsPrP¶PµPSPSCΠ P»PµPiPµPSCḡ (PŸP“PµPJP»)) Cr PiP°C†C-C”PSC,C-PI, CΠPePëPj PIPµPrPëP»Pë C-PjCrPSPsPiP»PsP±CrP»C-PS. PŸP“PµPJP» C...P°CḡP°PeC,PµCḡPëP·CrC”C,CHCΓCΠ C,CΠP¶PePëPj CrCΓPeP»P°PrPSPµPSPSCΠPj PrPëC...P°PSPSCΠ, PSP°P±CḡCΠPePsPj P»PµPiPµPSCḡ, PiC-PiPsPeCΓPµPjC-C”Cḡ, PSPsCḡPjP°P»CHPSPsCḡ C,,CΓPSPeC†C-C”Cḡ P»C-PIPsPiPs CεP»CΓPSPsC†PeP° C,P° PiP°CḡCΠC†PePsCḡ, C°Ps P·P°P·PIPëC†P°PNë PIPëPSPëPeP°C” PiCḡPsC,CΠPiPsPj 1Bḡ“6 PiPsPrPëPS PiC-CΓP»CΠ C,CḡP°PSCΓC,,CΓP·C-C—. PµP°C†C-C”PSC,P°Pj P·C- PŸP“PµPJP» PjPsP¶PSP° P·P°CΓC,PsCΓPsPICrPIP°C,Pë PePëCΓPSPµPICr C,PµCḡP°PiC-Cḡ P· PSP°P»PµP¶PSPsCḡ PrPsPrP°C,PePsPiPsCḡ PIPµPSC,PëP»CΠC†C-C”Cḡ P»PµPiPµPSCḡ.

PµP°C†C-C”PSC,C-PI, CΠPeC- PiCḡPëPNëPjP°CḡC,CH C-PjCrPSPsPiP»PsP±CrP»C-PS, CΓP»C-Pr PePsPSC,CḡPsP»CḡPIP°C,Pë C°PsPrPs PiPsP±C-C†PSPëC... CḡPµP°PeC†C-PNë P· P±PsPeCr PrPëC...P°P»CHPSPsC— CΓPëCΓC,PµPjPë. PiPeC°Ps PiC-PrPsP·CḡCḡC”C,CHCΓCΠ PSP°CΠPIPSC-CΓC,CH PŸP“PµPJP», PSPµPsP±C...C-PrPSPs PiCḡPsPIPµCΓC,Pë PIC-PrPiPsPIC-PrPSC- P°PSP°P»C-P·Pë PSP° PSP°CΠPIPSC-CΓC,CH P°PSC,PëPSPµPNëC,CḡPsC,,C-P»CHPSPëC... P°PSC,PëC,C-P» CΠPe Cr PiCḡPµPiP°CḡP°C,C-, C,P°Pe C- PI CΓPëCḡPsPIP°C,C†C- PeCḡPsPIC- PiP°C†C-C”PSC,P°.

P»P°P±PsCḡP°C,PsCḡPSC- PrPsCΓP»C-PrP¶PµPSPSCΠ

P—P° PiPsCΠPIPë CΓPëPjPiC,PsPjC-PI PiPµPjPsP»C-P·Cr PiC-CΓP»CΠ PIPµPrPµPSPSCΠ C-PjCrPSPsPiP»PsP±CrP»C-PSCr CεP»CΠC...PsPj C-PSC,,CΓP·C-C— CΓP»C-Pr PiCḡPsPIPµCΓC,Pë PIC-PrPiPsPIC-PrPSC- P»P°P±PsCḡP°C,PsCḡPSC- P°PSP°P»C-P·Pë PrP»CΠ C—C... PiC-PrC,PIPµCḡPrP¶PµPSPSCΠ.

PiPeC°Ps C” PiC-PrPsP·CḡPë CΓC,PsCΓPsPIPSPs PŸP“PµPJP», C,Ps CΓP»C-Pr PIPëPePsPSP°C,Pë PIC-PrPiPsPIC-PrPSC- P°PSP°P»C-P·Pë PSP° PSP°CΠPIPSC-CΓC,CH P°PSC,PëPSPµPNëC,CḡPsC,,C-P»CHPSPëC... P°PSC,PëC,C-P» CΠPe Cr PiCḡPµPiP°CḡP°C,C-, C,P°Pe C- PI CΓPëCḡPsPIP°C,C†C- PeCḡPsPIC- PiP°C†C-C”PSC,P°.

Pj P·PIBḡ™ CΠP·PeCr P· PiPsC,PµPSC†C-PNëPSPëPj PiC-PrPIPëC°PµPSPSCΠPj CḡPëP·PëPeCr C,CḡPsPjP±PsP·Cr CΓP»C-Pr PsC†C-PSPëC,Pë PIBḡ™ CΠP·PeC-CΓC,CH PeCḡPsPIC- Cr PiP°C†C-C”PSC,C-PI P· CḡPëP·PëPePsPj PiC-PrPIPëC°PµPSPsC— PIBḡ™ CΠP·PePsCΓC,C-, PIPeP»CḡC†P°CḡC†Pë PeCḡC-PsPiP»PsP±CrP»C-PSPë, C...C-P»PsPjC-PeCḡPsPSPµPjC-Cḡ PiPsP»PsPrCrPIP°PSPSCΠ/ PiPsPjC-C,PSPs PIPëCΓPsPePëPNë CḡC-PIPµPSCḡ C,CḡPëPiP»C-C†PµCḡPsP»C-PI (C,CḡPëPiP»C-C†PµCḡPëPrC-PI) P°P±Ps PjPsPSPsPeP»PsPSP°P»CHPSCr PiP°PjPsPiP°C,C-Cḡ.

P—P°PiP°P»CHPSP° C-PSC,,PsCTjPjP°C†C-CI

PμCTjPμPīP°CTjP°C, PIPēCTjPsP±P»CIICTHC,CH P· PīP»P°P·PjPē P»CTHPrPēPSPē. P°Ps
C†C,P°PSPPrP°CTjC,PSPēC... P·P°C...PsPrC-PI PrP»CII P·P°PīPsP±C-PiP°PSPSCII
C-PSC,,C-PeC†PIP°PSPSC† C†PμCTjPμP· PIPēPePsCTjPēC†C,P°PSPSCII P»C-PeP°CTjC†CHPePēC...
PīCTjPμPīP°CTjP°C,C-PI, PīCTjPēPiPsC,PsPIP°PSPēC... P· PeCTjPsPIC- P»CTHPrPēPSPē P°P±Ps
PīP»P°P·PjPē, PSP°P»PμP¶P°C,CH PIC-PrP±C-CTj PrPsPSPsCTjC-PI, PīPμCTjPμPIC-CTjPeP°
P·CTjP°P·PeC-PI PrPsPSPsCTjC†CHPePsC— PeCTjPsPIC- C- PīC†P»C-PI PīP»P°P·PjPē PSP°
PSP°CIIPIPSC-C†C,CH C†PīPμC†PēC,,C-C†PSPēC... PjP°CTjPePμCTjC-PI C-PSC,,PμPeC†C-C—, P°
C,P°PePsP¶ PIPeP»CTHC†PμPSPSCII PμC,,PμPeC,PēPIPSPēC... PIPēCTjPsP±PSPēC†PēC...
C†C,P°PrC-PNē PrP»CII C-PSP°PeC,PēPIP°C†C-C—/P·PSPēC%PμPSPSCII PIC-CTjC†C†C-PI.
PκPμP·PIP°P¶P°CTHC†Pē PSP° C†Pμ, PīCTjPē PIPiPμPrPμPSPSC- P»C-PeP°CTjC†CHPePēC...
PīCTjPμPīP°CTjP°C,C-PI, PīCTjPēPiPsC,PsPIP°PSPēC... P· PeCTjPsPIC- P»CTHPrPēPSPē P°P±Ps
PīP»P°P·PjPē, PSPμPjPsP¶P»PēPIPs PīPsPIPSC-C†C,CT PIPēPeP»CTHC†PēC,Pē CTjPēP·PēPe
PīPμCTjPμPrP°C†C- C-PSC,,PμPeC†C-PNē. PīPμ P¶ C†C,PsC†C†C”C,CHC†CII PSPμPIC-PrPsPjPēC...
C- PSPsPIPēC... PIC-CTjC†C†C-PI C,P° C-PSC€PēC... PīP°C,PsPiPμPSC-PI.

PμCTjPsPIPμPrPμPSC- P·P°C...PsPrPē PIPiP°P¶P°CTHC,CHC†CII PμC,,PμPeC,PēPIPSPēPjPē
C%PsPrPs PsP±PsP»PsSPePsPIPēC... PIC-CTjC†C†C-PI, C,P°PePēC... CIIPe P’P†P», PIC-CTjC†C†
PīPμPīP°C,PēC,C† P’ C- PIC-CTjC†C† PīPμPīP°C,PēC,C† PŸ. P’C-PrPSPsC†PSPs
P±PμP·PsP±PsP»PsSPePsPIPēC... PIC-CTjC†C†C-PI, C,P°PePēC... CIIPe PIC-CTjC†C†
PīPμPīP°C,PēC,C† Pj C- PīP°CTjPIPsPIC-CTjC†C† P’19, C†C- P·P°C...PsPrPē PjPsP¶C†C,CH
PjP°C,Pē PsP±PjPμP¶PμPSC† PμC,,PμPeC,PēPIPSC-C†C,CH. PμP»C-PSC-C†PSPēPNē PrPsC†PIC-Pr
PīPμCTjPμPePsPSP»PēPIPs C†PIC-PrC†PēC,CH PīCTjPs PIC-PrC†C†C,PSC-C†C,CH
PIPēPīP°PrPeC-PI PīPμCTjPμPrP°C†C- PIC-CTjC†C†C† PīPμPīP°C,PēC,C† Pj C,P°
PīP°CTjPIPsPIC-CTjC†C†C† P’19 PīCTjPē P·P°C†C,PsC†C†PIP°PSPSC- PīCTjPμPīP°CTjP°C,C-PI
C-PjC†PSPsPiP»PsP±C†P»C-PSC† P»CTHPrPēPSPē. PμCTjC-Pj C,PsPiPs,
PīPμCTjPμPrP±P°C†P°C”C,CHC†CII, C%Ps PIPμP»PēPePμ P·PSP°C†PμPSPSCII PrP»CII
PīC-PrPIPēC%PμPSPSCII PIC-CTjC†C†PSPsC— P±PμP·PīPμPePē PjP°C” PIPjC-C†C,
P°PSC,PēC,C-P».

PμCTjPμPīP°CTjP°C, PSPμ PjC-C†C,PēC,CH PePsPSC†PμCTjPIP°PSC,C-PI C,P°
P°PSC,PēP±C-PsC,PēPeC-PI.

PμP°C†C-C”PSC,Pē P»C-C,PSCHPsPiPs PIC-PeCž

PJ PīP°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr 65 CTjPsPeC-PI PjPsP¶P»PēPIPēPNē CTjPēP·PēPe
CTjPsP·PIPēC,PeC† PrPμCIIPePēC... PīPsP±C-C†PSPēC... CTjPμP°PeC†C-PNē, C,P°PePēC... CIIPe
C,CTjPsPjP±PsPμPjP±PsP»C-C†PSC- C†C†PeP»P°PrPSPμPSPSCII C,P° PiPsC†C,CTjP°
PSPēCTjPePsPIP° PSPμPrPsC†C,P°C,PSC-C†C,CH.

*P—P°C†C,PsC†CžPIP°PSPSCII Cž PīPμCTjC-PsPr PIP°PiC-C,PSPsC†C,C- P°P±Ps
PiPsPrCžPIP°PSPSCII PīCTjCžPrPrCTH.*

P’PμP·PīPμC†PSC-C†C,CH P·P°C†C,PsC†C†PIP°PSPSCII C†CHPsPiPs PīCTjPμPīP°CTjP°C,C†
PIP°PiC-C,PSPēPj P¶C-PSPeP°Pj PSPμ PIC†C,P°PSPsPIP»PμPSP°
PePsPSC,CTjPsP»CHPsPIP°PSPēPjPē PeP»C-PSC-C†PSPēPjPē PrPsC†P»C-PrP¶PμPSPSCII PjPē,
C,PsPjC† PNēPsPiPs C†P»C-Pr PsP±PμCTjPμP¶PSPs PīCTjPēP·PSP°C†P°C,Pē PIP°PiC-C,PSPēPj
P¶C-PSPeP°Pj C- PjP°C,PμCTjCII Pj C† PīPμCTjC-PsPr PiPsPrC†PIP°PSPSCII PīCTjC†PrPrCTH.
P°PsC†P»C-PrP¶PμPSPSCII PIPiPμPrPμPSPSCII PīCTjPμPīP°CTjP°C,C† IgG PIP°PiC-C,PSPēPj

PIPsPeP°P·P°P»Ps, C%Ps PIC-PS PiCḡPsPSPëPeP°C” PeCḡC-P·CH PiP»P°C†PμPSC,Cr,
PsCfPsP±P»PëPIPs PI P†P†P† C,CḡPëPjPμCfC,CḡC-. PḡP»C-PSC-C‡PSPëPNë PrPsCfPIC-Pr
PIPëPePsCḡPëCfC,P°PSPSCf C-PjCfPSPsPiP»PsP±CfP»C-PSC-PI CfPIC-PrC‡PëC,CH PiCḡPs
C,Pμ, C%Ps PSPμ CfP»C-Pr PsC‡C-PeCfPIP°C,Pë CëPeC-PrP»PëPIPsPiPs PIPiP»PëPICr PSP°
PiPμCḡPμP±C-Pi PIP°PiC-C,PSPsCfC,C-, PSP° PiP»C-Pr P°P±Ps PSPμPjPsPIP»Cf.

P†PjCfPSPsPiP»PsP±CfP»C-PSPë PiCḡPsPSPëPeP°CḡC,CH Cr PiCḡCfPrPSPμ PjPsP»PsPePs C-
PjPsP¶CfC,CH CfPiCḡPëCfC,Pë PiPμCḡPμPSPμCfPμPSPSCḡ P·P°C...PëCfPSPëC...
P°PSC,PëC,C-P» PrPs PSPsPIPsPSP°CḡPsPrP¶PμPSPsPiPs.

PḡP»C-PSC-C‡PSPëPNë PrPsCfPIC-Pr P·P°CfC,PsCfCfPIP°PSPSCf
C-PjCfPSPsPiP»PsP±CfP»C-PSC-PI PiPsPeP°P·P°PI, C%Ps PSPμPjP°C” PIPiP»PëPICr PSP°
C,,PμCḡC,PëP»CHPSC-CfC,CH.

*P—PrP°C,PSC-CfC,CH PIPiP»PëPIP°C,Pë PSP° CëPIPëPrPeC-CfC,CH CḡPμP°PeC†C-C— PiCḡPë
PePμCḡC‡PIP°PSPSC- P°PIC,PsC,CḡP°PSCfPiPsCḡC,PsPj P°P±Ps C-PSCëPëPjPë
PjPμC...P°PSC-P·PjP°PjPë.*

PkPμ CfPiPsCfC,PμCḡC-PiP°P»PsCfCf PIPiP»PëPICr PSP° P·PrP°C,PSC-CfC,CH
PePμCḡCfPIP°C,Pë P°PIC,PsPjPsP±C-P»PμPj C,P° PiCḡP°C†CḡPIP°C,Pë P· C-PSCëPëPjPë
PjPμC...P°PSC-P·PjP°PjPë.

PŸPiPsCfC-P± P·P°CfC,PsCfC‡PIP°PSPSCf C,P° PrPsP·Pë.

P’C-PsPIPμPS CfP»C-Pr PIPiPsPrPëC,Pë PIPSCrC,CḡC-CëPSCḡPsPIPμPSPSPs
PeCḡP°PiP»PëPSPSPs P· PiPsC‡P°C,PePsPIPsCḡ CëPIPëPrPeC-CfC,Cḡ
0,5Bḡ”1,0 PjP»/PePi PjP°CfPë C,C-P»P°/PiPsPr PiCḡPsC,CfPiPsPj 30 C...PI. P—P°
CfPjPsPIPë PIC-PrCfCfC,PSPsCfC,C- P±CfPrCH-CfPePëC... PSPμP±P°P¶P°PSPëC...
PiPsP±C-C‡PSPëC... CḡPμP°PeC†C-PNë CëPIPëPrPeC-CfC,CH PIPiPμPrPμPSPSCf
PjPsP¶PSP° PiPsCfC,CfPiPsPIPs P·P±C-P»CHCëCfPIP°C,Pë
(CḡPμPePsPjPμPSPPrPsPIP°PSPμ P·P±C-P»CHCëPμPSPSCf PSP°
0,5Bḡ”1,5 PjP»/PePi PjP°CfPë C,C-P»P°/PiPsPr PePsP¶PSC- 10 C...PI). P—P° PrP°PSPëPjPë
PeP»C-PSC-C‡PSPëC... PrPsCfP»C-PrP¶PμPSCḡ, PjP°PeCfPëPjP°P»CHPSP°
CëPIPëPrPeC-CfC,CH PIPiPμPrPμPSPSCf CfC,P°PSPsPIPëC,CH
8,5 PjP»/PePi PjP°CfPë C,C-P»P°/PiPsPr.

PμCḡPë PICḡPsPrP¶PμPSC-PNë P°PiP°PjPjP°PiP»PsP±CfP»C-PSPμPjC-C— P°P±Ps
PiC-PiPsPiP°PjPjP°PiP»PsP±CfP»C-PSPμPjC-C—, C,CfP¶PePsPjCf PePsPjP±C-PSPsPIP°PSPsPjCf
C-PjCfPSPsPrPμC,,C-C†PëC,C-, CfPëPSPrCḡPsPjC- P’C-CfPePsC,C,P° Bḡ” PḡP»PrCḡPëC‡P°,
PSPμPeP»P°CfPëC,,C-PePsPIP°PSPsPjCf PIP°CḡC-P°P±PμP»CHPSPsPjCf
C-PjCfPSPsPrPμC,,C-C†PëC,C- Bḡ” PiPs 4Bḡ”5 PjP» (0,4Bḡ”0,5 Pi)/PePi (PjC-PSC-PjP°P»CHPSP°
PrPsP·P° Bḡ” 2 PjP» (0,2 Pi)/PePi, PjP°PeCfPëPjP°P»CHPSP° Bḡ” 8 PjP» (0,8 Pi)/PePi) PePsP¶PSC-
3Bḡ”4 C,PëP¶PSC-, PiC-PrP±C-Cḡ PrPsP·Pë P·PrC-PNëCfPSCḡC”C,CHCfCf
C-PSPrPëPIC-PrCfP°P»CHPSPs, P·P°P»PμP¶PSPs PIC-Pr PIPëCḡP°P¶PμPSPsCfC,C-
C-PSC,,PμPeC†C-PNëPSPsPiPs CfPëPSPrCḡPsPjCf (PsPiC,PëPjP°P»CHPSPëPj
PIPIP°P¶P°C”C,CHCfCf PrPsCfCfPiPSPμPSPSCf CḡC-PIPSCf CfPëCḡPsPIP°C,PePsPIPsPiPs
IgG 5 Pi/P», P°P»Pμ PSPμ PjPμPSCëPμ

3БҲ“4 Pi/P»).

РҰҫҲПө Р·Р°РјС-СІҫPSC-Р№ С, РҰҫҲР°РјС-С— РіҫҲПө РіС, РсҫҲПөРSPSPsРјСр
С-РјСрPSPsРрРҰС,, С-С†ПөС, С-, СІҫРө РіҫҲР°РјСРөР»Рs, БҲ“ РіРs 2БҲ“4 РјР» (0,2БҲ“0,4 Рі)/РөРі
РөРsРҫPSPөС... 3БҲ“4 С, РөРҫPSC-.

РҰҫҲПө С†ПөС, РsРіРҰPSC-СІҫС... СҲС-Р·PSPsРјР°PSC-С, РSPsРіРs Т’РҰPSPРҰС-Ср
(РіРsСІҫС, СҲПөР№ С, Р° С...СҲРsPSC-С†PSPөР№ Р»РҰР№РөРsР, Р°РіР»»Р°СІҫС, РөС†PSP°
Р°PSPРјС-СІҫ, СІҫС, Р°PS РіС-СІҫР»СІҫ С, РҰҫҲР°РјС-С— С†ПөС, РсСІҫС, Р°С, РөРөР°РјСРө) БҲ“ РіРs
2БҲ“4 РјР» (0,2БҲ“0,4 Рі)/РөРі/РрРsР±Ср РіҫҲРsС, СІҫРіРsРј 4БҲ“5 РрС-Р± Р°Р±Рs 10 РјР» (1
Рі)/РөРі/РрРsР±Ср РіҫҲРsС, СІҫРіРsРј 2-С... РрС-Р±.

РҰҫҲПө С, СІҫРҫРөРөС... С,, РсҫҲРјР°С... Р±Р°РөС, РҰҫҲС-Р°Р»»СҲPSPs-С, РsРөСІҫРөС†PSPөС...
С, Р° РіС-СҲСрСІҫPSPөС... С-PSC,, РҰРөС†С-Р№ (РіРөР»»СҲС†Р°СҲС†Рө С...С-СҲСрСҲРіС-С†PSC-
СрСІҫРөР»»Р°РрPSPРҰPSPSCІҫ, С%Рs СІҫСрРіҫҲРsРіРsРрРҫСрСҲС, СҲСІҫСІҫ
Р±Р°РөС, РҰҫҲС-С”РјС-С”СҲ С- СІҫРҰРіС, РөРөРs-РіС-С”РјС-С†PSPөРјСРө СІҫС, Р°PSP°РјСРө С, Р°
РіҫҲПө РіС-РрРіРsС, РsРіС†С- С...С-СҲСрСҲРіС-С†PSPөС... С...РіРsСҲПөС... РрРs
РsРіРҰСҲР°С†С-С—) БҲ“ РіРs 4 РјР» (0,4 Рі)/РөРі/РрРsР±Ср 1БҲ“4 РрРsР±Рө.

РҰҫҲПө С-РрС-РsРіР°С, РөС†PSC-Р№ С, СҲРsРјР±С†ПөС, РsРіРҰPSC-С†PSC-Р№
РіСрСҲРіСҲС- БҲ“ РіРs 2БҲ“4 РјР» (0,2БҲ“0,4 Рі)/РөРі/РрРsР±Ср РіҫҲРsС, СІҫРіРsРј
2БҲ“5 РрС-Р± Р°Р±Рs 8БҲ“10 РјР» (0,8БҲ“1 Рі)/РөРі/РрРsР±Ср Ср РіРҰСҲСөСр РрРsР±Ср С, Р° Ср
СҲР°С- РSPРsР±С...С-РрPSPsСІҫС, С- БҲ“ PSP° С, СҲРҰС, СҲ РрРsР±Ср.

РҰҫҲПө СІҫРөPSPрСҲРsРјС- Р”С-С”PSP° БҲ“ Р’Р°СҲСҲРҰ, С...СҲРsPSC-С†PSC-Р№
Р·Р°РіР°Р»»СҲPSC-Р№ PSPРҰСҲРsРіР°С, С-С— (С%Рs РрРҰРјС-С”Р»С-Р·СрС”),
Р·Р°РіР°Р»»СҲPSC-Р№ РјС-РsРіР°С, С-С—, РіҫҲР°PSCрР»РјРјР°С, РsР·С- Р’РҰРіРҰPSPРҰСҲР° БҲ“
РіРs 2БҲ“4 РјР» (0,2БҲ“0,4 Рі)/РөРі/РрРsР±Ср РіҫҲРsС, СІҫРіРsРј 3БҲ“7 РрС-Р±, Ср СҲР°С-
PSPРsР±С...С-РрPSPsСІҫС, С- БҲ“
5-РрРҰPSPSC- РөСрСҲСІҫРө Р»С-РөСрРіР°PSPSCІҫ РіРsРіС, РсҫҲСҲРіР°С, Рө Р·
С-PSC, РҰСҲРіР°Р»»Р°РјСРө Ср 4 С, РөРҫPSC-.

РҰҫҲПө РрРҰСҲРјР°С, РsРјС-РsР·РөС, С- БҲ“ РіРs 10 РјР» (1 Рі) РөРі/РрРsР±Ср РіҫҲРsС, СІҫРіРsРј
3БҲ“5 РрС-Р±.

РҰҫҲПө СІҫРөСІҫС, РҰРјРјPSPөС... Р·Р°С...РіРsСҲСҲРіР°PSPSCІҫС... СІҫРіРsР»»СрС†PSPsС—
С, РөР°PSPөPSPө (СҲРҰРіРјРјР°С, РsС—РрPSPөР№ Р°СҲС, СҲПөС, С, Р° С-PS.) БҲ“ РіРs 2БҲ“5 РјР»
(0,2БҲ“0,5 Рі)/РөРі/РрРsР±Ср РіҫҲРsС, СІҫРіРsРј 5 РрС-Р±.

РҰҫҲПө СІҫРөPSPрСҲРsРјС- РҖР°РіР°СІҫР°РөС- БҲ“ РіРs 10БҲ“20 РјР» (1БҲ“2 Рі)/РөРі Ср
СҲС-РіРsРөС... РрРsР·Р°С... Р·Р° 2БҲ“5 РрС-Р± Р°Р±Рs 20 РјР» (2 Рі)/РөРі РsРрPSPsСҲР°Р·РsРіРs
(РрРsРіРsРіРsРSPРҰPSPSCІҫ РрРs С, РҰҫҲР°РјС-С— Р°С†РҰС, РөР»»СІҫР°Р»»С-С†ПөР»РsРіРsСҲ
РөРөСІҫР»РsС, РsСҲ).

РҰҫҲПө С, СҲР°PSCІҫРіР»»Р°PSC, Р°С†С-С— РөС-СІҫС, РөРsРіРsРіРs РјРsР·РөСр БҲ“ 5 РјР» (0,5
Рі)/РөРі РsРрPSPsСҲР°Р·РsРіРs Р·Р° 7 РрС-Р± РрРs С, СҲР°PSCІҫРіР»»Р°PSC, Р°С†С-С—, РіРsС, С-Рј
БҲ“ 1 СҲР°Р·Рs РSP° С, РөРҫРҫРҰРҰPSCҲ РіҫҲРsС, СІҫРіРsРј 3 РјС-СІҫСІҫС†С-Рі РіС-СІҫР»СІҫ
С, СҲР°PSCІҫРіР»»Р°PSC, Р°С†С-С—.

Р”Р»»СІҫ Р·Р°СІҫС, РсСІҫСрРіР°PSPSCІҫ Ср СІҫРөР»»Р°РрС- РөРsРјРіР»»РҰРөСІҫPSPsС—
С, РҰСҲРҰРіС-С— РрРsСҲРsСІҫР»РөС... РіР°С†С-С”PSC, С-Рі Р· С, СІҫРҫРөРсҲ
РіРSPРҰРіРјРsPSC-С”СҲ, СІҫРіҫҲРөС†РөPSPРҰPSPsСҲ РөРsСҲРsPSP°РіС-СҲСрСІҫPSPsСҲ
С-PSC,, РҰРөС†С-С”СҲ COVID-19 / SARS-CoV-2 (РрРөРі. СҲРsР·РрС-Р»

PiPsC7CfC€PµPSPSCl PjPsP·PePsPIPsPiPs PeC7PsPIPsPsP±C-PiCf, P°CfPµPīC,PēC±PSPēPNē
PjPµPSC-PSPiC-C,, PjC-PiC7PµPSCH, P·P°PiP°PjPsC7PsC±PµPSPSCl, PiP°C7PµCfC,PµP·C-Cl,
PiC-PiPsCfC,PµP·C-Cl, P°PjPSPµP·C-Cl, PIC-PrC±CfC,C,Cl PiPµC±C-PSPSCl,
PrPēP·P°C7C,C7C-Cl, PrPēCfPiPµPIP·C-Cl, PiPsC7CfC€PµPSPSCl C7C-PIPsPsIP°PiPē,
C,C7P°PSP·PēC,PsC7PSP° C-C€PµPjC-C±PSP° P°C,P°PeP°, C,C7PµPjPsC7.

PµCfPēC...C-C±PSC- PiPsC7CzC€PµPSPSCl: P·P±CfPrP¶PµPSPSCl, C,C7PēPIPsP¶PSC-CfC,CH,
P±PµP·CfPsPSPSCl.

P— P±PsPeCz CfPµC7C7Cl: C-PSC,,P°C7PeC, PjC-PsPeP°C7PrP°, C,P°C...C-PeP°C7PrC-Cl,
CfPµC7C7PµP±PēC,C,Cl, C7C-P°PSPsP·.

P— P±PsPeCz CfCzPrPēPS: PSPµPrPsCfC,P°C,PSC-CfC,CH PiPµC7PēC,,PµC7PēC±PSPēC...
CfCfPrPēPS, P°C7C,PµC7C-P°P»CHPSP° PiC-PiPsC,PµPSP·C-Cl, P°C7C,PµC7C-P°P»CHPSP°
PiC-PiPµC7C,PµPSP·C-Cl, PiPµC7PēC,,PµC7PēC±PSP° C...PsP»PsPrPSC-CfC,CH, C,,P»PµP±C-C,,
C,C7PsPjP±PsP· PiP»PēP±PsPePēC... PIPµPS.

*P— P±PsPeCz CfPēCfC,PµPjPē PrPēC...P°PSPSCl, C,PsC7P°PeP°P»CHPSC- C,P°
PjPµPrC-P°CfC,PēPSP°P»CHPSC- PiPsC7CzC€PµPSPSCl:* PrPēC...P°P»CHPSP°
PSPµPrPsCfC,P°C,PSC-CfC,CH, P»PµPiPµPSPµPIP° PµPjP±PsP»C-Cl, P»PµPiPµPSPµPIPēPNē
PSP°P±C7CIPe, P±C7PsPSC...PsCfPiP°P·Pj, P·P°PrPēC€PeP°, PeP°C€PµP»CH,
P·P±C-P»CHC€PµPSP° C±P°CfC,PsC,P° PrPēC...P°PSPSCl, C7PēPSPsC7PµCl, P°CfC,PjP°,
P·P°PeP»P°PrPµPSC-CfC,CH PSPsCfP°, PsC7PsC,,P°C7PēPSPiPµP°P»CHPSPēPNē
PSP°P±C7CIPe, C,,P°C7PēPSPiPsP»P°C7PēPSPiPµP°P»CHPSPēPNē P±C-P»CH.

P— P±PsPeCz PePēC€PePsPIPs-C€P»CzPSPePsPIPsPiPs C,C7P°PeC,Cz: PSCfPrPsC,P°,
P±P»C7HIP°PSPSCl, PrC-P°C7PµCl, P±C-P»CH Cf P¶PēPIPsC,C-.

P— P±PsPeCz C€PeC-C7Pē C,P° PiC-PrC€PeC-C7PSPsC— PeP»C-C,PePsPIPēPSPē: PµPeP·PµPjP°,
PeC7PsPiPēPIb7™ CIPSPeP°, PIPēCfPēPi, PµC7PēC,PµPjP°C,PsP·PSPēPNē PIPēCfPēPi,
PrPµC7PjP°C,PēC,, CfPIPµC7P±C-P¶, P°P»PsPiPµC7C-Cl, C...PsP»PsPrPSPēPNē PiC-C,,
C7PµP°PeC7C-C— C,,PsC,PsC±CfC,P»PēPIPsCfC,C-, PSC-C±PSPµ PiPsC,C-PSPSCl.

*P— P±PsPeCz CfPePµP»PµC,PSPs-Pjē7™ CIP·PsPIPsC— CfPēCfC,PµPjPē C,P°
CfPiPsP»CzC±PSPsC— C,PeP°PSPēPSPē:* P±C-P»CH Cf CfPiPēPSC-, P±C-P»CH Cf
PeC-PSC7C-PIPeP°C..., P°C7C,C7P°P»PiC-Cl, CfPiP°P·PjPē Pjē7™ CIP·C-PI,
PiPsCfPjPēPeCfPIP°PSPSCl Pjē7™ CIP·C-PI, PjC-P°P»PiC-Cl.

*P— P±PsPeCz PSPēC7PsPe C,P° CfPµC±PsPIPēPrC-P»CHPSPsC—
CfPēCfC,PµPjPē:* PiPsCfC,C7P° PSPēC7PePsPIP° PSPµPrPsCfC,P°C,PSC-CfC,CH,
PiC7PsC,PµC—PSCfC7C-Cl.

P— P±PsPeCz PsC7PiP°PSC-PI P·PsC7Cz: PePsPSb7™ C7PSPeC,PēPIC-C,, P±C-P»CH PI
PsC±P°C..., PSP°P±C7CIPeP°PSPSCl PsC±PµPNē.

P— P±PsPeCz PsC7PiP°PSC-PI CfP»CzC...Cz: PIPµC7C,PēPiPs, C7C-PrPēPSP° Cf
PIPsCfC,C7C-C€PSC7PsPjCf PICfCfC-.

*P— P°PiP°P»CHPSC- PiPsC7CzC€PµPSPSCl C,P° C7PsP·P»P°PrPē Cz PjC-CfC7C-
PIPIPµPrPµPSPSCl:* PiP°C7CIPeP°, PiC7PēPiPsPiPsPrC-P±PSC- CfPēPjPiC,PsPjPē,
CfP»P°P±PeC-CfC,CH, PrPēCfPePsPjC,,PsC7C, Cf PiC7CfPrCIPe..., P±C-P»CH,
PIC-PrC±CfC,C,Cl CfC,PēCfPSPµPSPSCl Cf PiC7CfPrCIPe..., P°CfC,PµPSC-Cl,
PSPµP·PrCfP¶P°PSPSCl, PiPµC7PēC,,PµC7PēC±PSC- PSP°P±C7CIPePē, PIC-PrC±CfC,C,CIP

Р¶P°CґCґ, PґC-PrPIPөC%PµPSP° PIC,PsPjP»CґHIP°PSC-CґC,CH, PsP·PSPsP±,
PґCґPөPґP»PөPIPө, PiC-PґPµCґPµPjC-Cґ, PiC-PґPµCґPiC-PrCґPsP·; CґPµP°PeCґC-C— Cґ
PjC-CґCґC- PIPµPrPµPSPSCґ, PIPөP»CґCґP°CґCґPө P±C-P»CH, PґC-PrPIPөC%PµPSPSCґ
CґCґC,P»PөPIPсCґC,C-, PiC-PґPµCґPµPjC-Cґ, PSP°P±CґCґPө, C„P»PµP±C-C,,
CґPIPµCґP±C-P¶.

P»P°P±PsCґP°C,PsCґPSC- PrPsCґP»C-PrP¶PµPSPSCґ: PґC-PrPIPөC%PµPSPSCґ
PґPµCґC-PSPөPsPIPөC... C„PµCґPjPµPSC,C-PI, PґPsPjPөP»PePsPIPөP№ PґPsP·PөC,PөPIPSPөP№
CґC-PIPµPSCґ PґP»CґPePsP·Pө PI PeCґPsPIC-, PґC-PrPIPөC%PµPSPSCґ
PeCґPµP°C,PөPSC-PSCґ PeCґPsPIC-, PґC-PrPIPөC%PµPSPөP№ CґC-PIPµPSCґ
C...PsP»PµCґC,PµCґPөPSCґ PI PeCґPsPIC-, PґC-PrPIPөC%PµPSPөP№ CґC-PIPµPSCґ
CґPµCґPsPIPөPSPө, P·PSPөP¶PµPSPөP№ CґC-PIPµPSCґ PґPµPjP°C,PsPeCґPөC,Cґ,
P·PSPөP¶PµPSPөP№ CґC-PIPµPSCґ PµCґPөC,CґPsCґPөC,C-PI, PґPsP·PөC,PөIPSP° PґCґCґPjP°
PґCґPsP±P° PґCґPjP±CґP°, P·PjPµPSCөPµPSPµ PSP°CґPөCґPµPSPSCґ PePөCґPSPµPj.

PґPSC„PµPeCґC-C— C,P° C-PSIP°P·C-C—: P±CґPsPSC...C-C,, PSP°P·PsC„P°CґPөPSPiC-C,,
C...CґPsPSC-CґPSPөP№ CґPөPSCґCґPөC,, PjC-PөPsP·, C-PSC„PµPeCґC-Cґ,
C-PSC„C-PөCґPIP°PSPSCґ PSPөCґPsPe, CґPөPSCґCґPөC,, C-PSC„C-PөCґPIP°PSPSCґ
PIPµCґC...PSC-C... PrPөC...P°P»CHPSPөC... CөP»CґC...C-PI, C-PSC„C-PөCґPIP°PSPSCґ
CґPµCґPsPIPөC... CөP»CґC...C-PI, P±P°PeC,PµCґC-P°P»CHPSPµ
C-PSC„C-PөCґPIP°PSPSCґ CґPµCґPsPIPөC... CөP»CґC...C-PI.

PґCґP°PIPjPө, PsC,CґCґC”PSPSCґ C,P° P·P°PiP°P»CHPSC- PґCґPsCґPµPrCґCґPSC-
CґCґPөP»P°PrPSPµPSPSCґ: P·P°P±C-P№, PґPsCґC,CґPµ CґCґP°P¶PµPSPSCґ P»PµPiPµPSC-PI,
PґPsPIвґ™ CґP·P°PSPµ P· PґPµCґPµP»PөPIP°PSPSCґPj PeCґPsPIC-.

P”C-C,Pө. P’ PeP»C-PSC-CґPSPөC... PrPsCґP»C-PrP¶PµPSPSCґC... PґCґPµPґP°CґP°C,Cґ
P’C-PsPIPµPS P±C-P»CHCөC-CґC,CH PґPsP±C-CґPSPөC... CґPµP°PeCґC-P№ Cґ PrC-C,PµP№
P±CґP»Pө PsCґC-PSPµPSC- CґPө P»PµPiPeC-, C°Ps CөPIPөPrPePs CґCґCґPIP°P»PөCґCґ
CґP°PjPsCґC,C-P№PSPs P°P±Ps Cґ PIC-PrPґPsPIC-PrCH PSP° PґCґPsCґC,C- P·P°C...PsPrPө
(P·PSPөP¶PµPSPSCґ CөPIPөPrPePsCґC,C- PIPSCґC,CґC-CөPSCґPsPIPµPSPSPsPiPs
PIPIPµPrPµPSPSCґ CґPө P№PsPiPs C,PөPjCґP°CґPsPIPµ PґCґPөPґPөPSPµPSPSCґ).

PµPsPIC-PrPsPjP»PµPSPSCґ PґCґPs PґPsP±C-CґPSC- CґPµP°PeCґC-C— PґC-CґP»Cґ
CґPµC”CґC,CґP°CґC-C— P»C-PөP°CґCґCHPePsPiPs P·P°CґPsP±Cґ PjP°C”
PIP°P¶P»PөPIPµ P·PSP°CґPµPSPSCґ. PґPµ PrP°C” P·PjPsPiCґ PґCґPsPIPsPrPөC,Pө
PjPsPSC-C,PsCґPөPSPi CґPґC-PIPIC-PrPSPсөPµPSPSCґ PePsCґPөCґC,CH/CґPөP·PөPe
PґCґPө P·P°CґC,PsCґCґPIP°PSPSC- CґCHPePsPiPs P»C-PөP°CґCґCHPePsPiPs
P·P°CґPsP±Cґ. PґPµPrPөCґPSPөPj C,P° C„P°CґPjP°CґPµPIC,PөCґPSPөPj
PґCґP°CґC-PIPSPөPeP°Pj, P° C,P°PePsP¶ PґP°CґC-C”PSC,P°Pj P°P±Ps C—C...
P·P°PePsPSPSPөPj PґCґPµPrCґC,P°PIPSPөPeP°Pj CґP»C-Pr PґPsPIC-PrPsPjP»CґC,Pө
PґCґPs CґCґC- PIPөPґP°PrPePө PґC-PrPsP·CґCґHIP°PSPөC... PґPsP±C-CґPSPөC...
CґPµP°PeCґC-P№ C,P° PIC-PrCґCґC,PsPsCґC,C- PµC„PµPeC,PөIPSPсCґC,C-
P»C-PөP°CґCґCHPePsPiPs P·P°CґPsP±Cґ CґPµCґPµP· PґPIC,PsPjP°C,PөP·PsPIP°PSCґ
C-PSC„PsCґPjP°CґC-P№PSCґ CґPөCґC,PµPjCґ P· C„P°CґPjP°PePsPSP°PiP»CґPrCґ P·P°
PґPsCґPөP»P°PSPSCґPj: <https://aisf.dec.gov.ua>.

PґPµCґPjC-PS PґCґPөPrP°C,PSPсCґC,C-. 3 CґPsPePө.

PyPmCTpPjC-PS PïCTpPëPFP°C,PSPsCÍ'C,C- P·P° CÍ'PjPsPi P·P±PmCTpC-PiP°PSPSCl PïCTpPë C,PmPjPïPmCTpP°C,CrCTpC- PSPm PIPëC%Pm 25 P^sPÿ Bñ 6 PjC-CÍ'ClCtC-PI.

PJPjPsPIPë P·P±PμCḦC-PiP°PSPSCı.

$P-P \pm P_{\mu} C_{\overline{H}} C-PiP^{\circ} C, P_{\overline{e}} PI Ps C_{\overline{H}} P_{\overline{e}} PiC-PSP^{\circ} P \gg CH_{\overline{P}} PSC-PN_{\overline{e}} C_{\overline{r}} PiP^{\circ} PePsPIC \dagger C-PrP \gg C_{\overline{H}}$
 $P \cdot P^{\circ} C \dots P_{\overline{e}} C_{\overline{r}} C, C_{\overline{r}} PIC-Pr PrC-C- C_{\overline{r}} PIC-C, P \gg P^{\circ} Pi C_{\overline{H}} P_{\overline{e}} C, P_{\mu} PjPiP_{\mu} C_{\overline{H}} P^{\circ} C, C_{\overline{r}} C_{\overline{H}} C- PIC-Pr 2^{Ps} P_{\overline{Y}}$
 $PrPs 8^{Ps} P_{\overline{Y}}. P_{\overline{K}} P_{\mu} P \cdot P^{\circ} PjPs C_{\overline{H}} PsP_{\overline{H}} C_{\overline{r}} PIP^{\circ} C, P_{\overline{e}}. P-P^{\circ} C_{\overline{r}} PjPs PI P \cdot P \pm P_{\mu} C_{\overline{H}} C-PiP^{\circ} PSPSC_{\overline{H}} Pi C_{\overline{H}} P_{\overline{e}}$
 $C, P_{\mu} PjPiP_{\mu} C_{\overline{H}} P^{\circ} C, C_{\overline{r}} C_{\overline{H}} C- PSP_{\mu} PIP_{\overline{e}} C \% P_{\mu} 25^{Ps} P_{\overline{Y}} C, P_{\mu} C_{\overline{H}} PjC-PS Pi C_{\overline{H}} P_{\overline{e}} PrP^{\circ} C, PSPs C_{\overline{r}} C, C- b_{\overline{H}} "$
 $6 PjC-C_{\overline{r}} C_{\overline{H}} C \dagger C-PI. P_{\overline{H}} C-C_{\overline{r}} P \gg C_{\overline{H}} P \cdot P^{\circ} PeC-PSC \dagger P_{\mu} PSPSC_{\overline{H}} C \dagger CH_{\overline{P}} PsPiPs C, P_{\mu} C_{\overline{H}} PjC-PSC_{\overline{r}}$
 $Pi C_{\overline{H}} P_{\mu} PiP^{\circ} C_{\overline{H}} P^{\circ} C, PSP_{\mu} PjPs P_{\overline{H}} PSP^{\circ} PiPs PjC-C \% P^{\circ} C, P_{\overline{e}} PI C \dots PsP \gg PsPr P_{\overline{e}} P \gg CH_{\overline{P}} PSP_{\overline{e}} Pe,$
 $PN_{\overline{e}} PsPiPs PSP_{\mu} PsP \pm C \dots C-Pr PSPs C_{\overline{r}} C, P_{\overline{e}} P \gg C-P \cdot C_{\overline{r}} PIP^{\circ} C, P_{\overline{e}}.$

P°CrPrCH-ClPePëPN₂ PSp_μPIPëPePsC₇PëCÍC, P°PSPëPN₂ PíC₇PsPrCíPeC, P°P±Ps
PIC-PrC...PsPrPë CÍP»C-Pr CíC, PëP»C-P·CíPIP°C, Pë PIC-PrPíPsPIC-PrPSPs PrPs
C‡PëPSPSPsPiPs P·P°PePsPSPsPrP°PICÍC, PIP°.

PjPİP°PePsPIPeP°. PııPs 50 PjP» P°P±Ps 100 PjP» Cı C„P»P°PePsPSC-. PııPs 1 C„P»P°PePsPSCı PI PePsCııPsP±CıC-.

$$\mathbf{P}_{\mathbf{L}}\mathbf{P}^{\circ}\mathbf{C},\mathbf{P}_{\mu}\mathbf{P}\mathbf{i}\mathbf{P}\mathbf{s}\mathbf{C}\mathbf{H}\mathbf{C}-\mathbf{C}\mathbf{H}\mathbf{P}\mathbf{I}\mathbf{C}-\mathbf{P}\mathbf{r}\mathbf{P}\mathbf{i}\mathbf{C}\mathbf{r}\mathbf{C}\mathbf{I}\mathbf{P}\mathbf{e}\mathbf{C}\mathbf{r}. \mathbf{P}-\mathbf{P}^{\circ}\mathbf{C}\mathbf{H}\mathbf{P}_{\mu}\mathbf{C}\mathbf{I}\mathbf{P}_{\mu}\mathbf{P}\mathbf{i}\mathbf{C},\mathbf{P}\mathbf{s}\mathbf{P}\mathbf{j}.$$
$$\mathbf{P'P\ddot{e}C\overline{H}PsP\pm PSp\ddot{e}P\epsilon. P\check{y}PhP' B\langle P'P\uparrow PhP\alpha PhP P_{\overline{H}}Ph P_{\overline{U}}P\rangle PhP-P_{\overline{H}}PhB\rangle, PJPeC\overline{H}P^{\circ}C-PSP^{\circ}.$$

**Р_НC-CF₃+PμP·PSP°C...PsPrP¶PμPSPSCII PIPëCH₃P_SP±PSPëPeP° C,P° PNøPsPiPs
P°PrГCH₃PμCF₃P° PjC-CF₃+CII PiCH₃P_SPIP°PrP¶PμPSPSCII PrC-CII»CH₃PSPsCF₃C,-. В**

$P @ C_5P_6P_7P_8C \pm PSP^{\circ} P^{\circ} P_7C_5P_6C_7P^{\circ} : PJP_6C_5P^{\circ}C - PSP^{\circ}, 09100, P_7P_8C - PIC_7C_5P_6P^{\circ} P_5P \pm P_{\pm} \rangle, P_j$
 $P'C - P_{\pm} P^{\circ} P_1P_6C_5P_6PIP^{\circ}, PIC_7P_{\pm} \rangle. P_7P_8C - PIC_7C_5P_6P^{\circ}, 37-P'.$

$$\text{PhPrCH}_2\text{P}(\mu\text{Cl})_2\text{P}^\circ \rightarrow \text{PhC}-\text{Cl}\overset{\cdot}{\text{C}}+\text{Cl}_2 \quad \text{PhCH}_2\text{PsPIP}^\circ \rightarrow \text{PrP}(\mu\text{PSPSCl})_2 \text{PrC}-\text{ClP} \gg \text{CH}_2\text{PSPsCl}\overset{\cdot}{\text{C}}, \text{C}^-:$$

РЈРєСЋР°С—РРР°, 09100, РљРёС—РІСЃЃСЋРєР°Р° РРР±Р», Рј. Р'С-Р»Р° РјРјСЋРєРєРІР°, РІСЃЃР». РљРёС—РІСЃЃСЋРєР°Р°, 37-Р'.