

!" #&/
4;O <548G=>3> 70AB>AC20==O ?@5?0@0BC

(LEVOLET)

!;:04:

4VNG0 @5G>28=0: ;52>D;>:A0F8=;
 1 B01;5B:0, 2:@8B0 ?;V2:>2>N >1>;>=:>N, D;>:A0F8=C 250 <3 a1> 500 <3 C 283;04V ;52>D;>:A0F8=C
 =0?V23V4@0BC;
 4>?>28=8: F5;N;>70 :@8AB0;VG=0, :@>E<0;L :C:C@C47O=89, :@5<=VN 4V>:A84 :>;>W4=89
 1572>4=89, :@>A?>2V4>=, 3V?@><5;>70, <03=VN AB50@0B, Opadry white OY58900 (3V?@><5;>70,
 B8B0=C 4V>:A84 (E 171), ?>;V5B8;5=3;V:>;V).

V:0@AL:0 D>@<0. "01;5B:8, 2:@8BV ?;V2:>2>N >1>;>=:>N.

\$0@<0:>B5@0?52B8G=0 3@C?0. =B810:B5@V0;L=V 70A>18 3@C?8 EV=>;>=V2. \$B>@EV=>;>=8. >4
 "% J01M 12.

;V=VG=V E0@0:B5@8AB8:8.

>:070==O. =D5:FVW ;53:>3> B0 ?>3> ABC?5=O BO6:>ABV, A?@8G8=5=V GCB;828<8 4>
 ;52>D;>:A0F8=C >@30=V7<0<8: 3>AB@89 A8=CA8B, 703>AB@5==O E@>=VG=>3> 1@>=EVBC, ?=52
 <=>=VO, CA:;04=5=V B0 =5CA:;04=5=V V=D5:FVW A5G>284V;L=>3> B@0:BC (C B>=5D@8B),
 V=D5:FVW H:V@8 B0 <O:8E B:0=8=, E@>=VG=89 10:B5@V0;L=89 ?@>AB0B8B.

@>B8?>:070==O. V428I5=0 GCB;82VABL 4> ;52>D;>:A0F8=C, 4> V=H8E EV=>;>=V2 01> 4> 1C4L-
 O:>3> V=H>3> :>=5=B0 ?@5?0@0BC; 5?V;5?AVO; ?0FVT=B8 7V A:0@30<8 =0 ?>1VG=V @50:FVW 7
 1>:C ACE>68;L ?VA;O ?>?5@54=L>3> 70AB>AC20==O EV=>;>=V2.

!>AV1 70AB>AC20==O B0 4>78. "01;5B:8 ?@89<0B8 1-2 @078 =0 4>1C. >70 70;568BL 2V4 B8?C V
 BO6:>ABV V=D5:FVW. "@820;VABL ;V:C20==O 70;568BL 2V4 ?5@51V3C E2>@>18 V AB0=>28BL =5
 1V;LH5 14 4=V2. 5:>5=4>20=> ?@>4>26C20B8 ;V:C20==O ?@8=09<=V ?@>BO3<< 48-72 3>48= ?VA;O
 =>@<0;V70FVW B5 ?V4B25@465=>3> 1V>;>3VG=8<8 B5AB0<8 7=8I5==O 71C4=8:V2.
 "01;5B:8 A;V4 :>2B0B8 =5 @>76>2CNG8, 70?820NG8 4>AB0B=L>N :V;L:VABN @V48=8. @89<0B8
 B01;5B:8 <>6=0 O: @07>< 7 W65N, B0: V 2 V=H89 G0A.
 !;V4 4>B@8<5=40FV9 4;O 4>@>A;8E ?0FVT=BV2 V7 =>@<0;L=>N DC=:FVTN =8@>;, C O:8E ;;V@5=A
 :@50B8=V=C AB0=>28BL ?>=04 50 <;/E28;8=C:

>:070==O	>1>20 4>70	V;L:VABL ?@89>1C	"@820;VABL ;V:C20==O
>AB@V A8=CA8B8	500 <3	1 @07	10-14 4=V2
03>AB@5==O E@>=VG=>3> 1@>=EVBC	250-500 <3	1 @07	7-10 4=V2
53>A?VB0;L=V ?=52 <=>=VW	500-1000 <3	1-2 @078	7-14 4=V2
5CA:;04=5=V V=D5:FVW A5G>284V;L=>3> B@0:BC	250 <3	1 @07	3 4=V
%@>=VG=89 10:B5@V0;L=89 ?@>AB0B8B	500 <3	1 @07	28 4=V2
#A:;04=5=V V=D5:FVW A5G>284V;L=>3> B@0:BC, 2;:NG0NG8 ?VT;>=5D@8B	250 <3	1 @07	7-10 4=V2

=D5:FVW H:V@8 B0 <O:8E B:0=8=	500-1000 <3	1-2 @078	7-14 4=V2
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>7C20==O 4;O ?0FVT=BV2 V7 ?>@CH5=>N DC=:FVTN =8@>:, C O:8E ;;V@5=A :@50B8=V=C <5=H5
50 <;/E28;8=C:

;V@5=A :@50B8=V=C	568< 4>7C20==O (70;56=> 2V4 BO6:>ABV V=D5:FVW)		
50-20 <;/E2	?5@H0 4>70: 250 <3 =0ABC?=V: 125 <3/24 3>4	?5@H0 4>70: 500 <3 =0ABC?=V: 250 <3/24 3>4	?5@H0 4>70: 500 <3 =0ABC?=V: 250 <3/12 3>4
19-10 <;/E2	?5@H0 4>70: 250 <3 =0ABC?=V: 125 <3/48 3>4	?5@H0 4>70: 500 <3 =0ABC?=V: 125 <3/24 3>4	?5@H0 4>70: 500 <3 =0ABC?=V: 125 <3/12 3>4
<10 <;/E2, (0 B0:>6 ?@8 35<>4V0;V7V B0 %1)	?5@H0 4>70: 250 <3 =0ABC?=V: 125 <3/48 3>4	?5@H0 4>70: 500 <3 =0ABC?=V: 125 <3/24 3>4	?5@H0 4>70: 500 <3 =0ABC?=V: 125 <3/24 3>4

1 VA;O 35<>4V0;V7C 01> E@>=VG=>3> 0<1C;0B>@=>3> ?5@8B=>50;L=>3> 4V0;V7C (%) 4>40B:>2V
4>78 =5 ?>B@V1=V.

>7C20==O 4;O ?0FVT=BV2 V7 ?>@CH5=>N DC=:FVTN ?5GV=:8. >@5:FVO 4>78 =5 ?>B@V1=0,
>A:V;L:8 ;52>D;>:A0F8= =57=0G=>N N <5B01>;V7CTBLAO C ?5GV=V.

>7C20==O 4;O ?0FVT=BV2 ;VB=L>3> 2V:C. /:I> =8@:>20 DC=:FVO =5 ?>@CH5=0, =5<0T ?>B@518 C
:>@5:FVW 4>78.

>1VG=V @50:FVW.

=D5:FVW B0 V=207VW: 78 (2;:NG0NG8 Candida B0 ?@>;VD5@0FVN V=H8E @578AB5=B=8E >@30=V7
I>:C H:V@8 B0 7030;L=V @50:FVW ?V428I5=>W GCB;82>ABV: A25@1V6 B0 ?>G5@2>=V==O H:V@8,
7030;L=V @50:FVW ?V428I5=>W GCB;82>ABV (0=0DV;0:B8G=V B0 0=0DV;0:B>W4=V) 7 B0:8<8
>7=0:0<8 O: :@>?82O=:0, A?07< 1@>=EV2 V, <>6;82>, BO6:0 O4CE0, 0 B0:>6 =01@O: H:V@8 B0
A;87>28E >1>;>=: (=0?@8;:04, H:V@8 >1;8GGO V A;87>2>W >1>;>=:8 3;>B:8), @0?B>25 7=865==O
0@B5@V0;L=>3> B8A:C B0 H>:, ?>4>265==O QT-V=B5@20;C, ?V428I5=0 GCB;82VABL 4> A>=OG=>3>
B0 C;LB@0DV>;5B>2>3> ?@>28E >1>;>=:0E, 3V?5@3V4@>7, A8=4@< !BV25=A0-6=>A>=0,
B>:A8G=89 5?V45@<0;L=89 =5:@>;V7 (A8=4@< 09T;:0), 5:AC40B82=0@<=0 5@8B5<0. 030;L=V
@50:FVW ?V428I5=>W GCB;82>ABV <>6CBL 7O28B8AO 265 ?VA;O ?5@H>W 4>78 B0 ?@>BO3<
:V;L:>E E28;8= 01> 3>48= ?VA;O ?@89>

I>:C H;C=:>2>-.8H:>2>3> B@0:BC/>128=: =C4>B0, 4V0@50, 74CBBO 682>B0, 70?>@8, AB<0B8B,
2V4ACB=VABL 0?5B8BC, 1;N20==O, 1V;L C 682>BV, @>7;048 B@02;5==O, ?0=:@50B8B, 4V0@50 7 4>
<5<1@0=>7=>3> :>;VBC.

I>:C <5B01>;V7 3V?5@3;V:53;V:5<0, 7=865==O 22V (3V?>3;V:5 <0T >A>1;825 7=0G5==O 4;O E2>@8E
=0 FC:@>289 4V015B. 7=0:0<8 3V?>3;V:5:.

I>:C ?A8EV:8: @>7;048 A=C, 157A>=O, =5@2>7=VABL, ?A8E>B8G=V @>7;048 (=0?@8;:04, V7
30;NF8=0FVO<8, ?0@0=>TN), 45?@5AVO, B@82>6=VABL, 068B0FVO; ?A8E>B8G=V @50:FVW V7 A0
<>45AB@C:B82=>N ?>254V=:>N, 2;:NG0NG8 ACWF840;L=C A?@O<>20=VABL <8A;5==O G8 4V9;
=5728G=V A=>284V==O, =VG=V :>H<0@8.

I>:C =5@2>2>W A8AB5<8: 3>;>2=89 1V;L, 70?0<>@>G5==O/70;;O:0==O, A>;82VABL, ?@5AB57VO, B@5:V9, AB@0E, AC4<=V =0?048 B0 A?;CB0=VABL A2V4<>ABV; @>7;048 7>@C B0 A;CEC, ?>@CH5==O A<0:>28E 2V4GCBBV2, 2B@0B0 A<0:>28E 2V4GCBBV2 B0 =NEC, A8=:>?5, 7=865=5 2V4GCBB0 4>B8:C, 4>1@>O:VA=0 2=CB@VH=L>G5@5?=0 3V?5@B5=7VO, A5=A>@=0 01> A5=A> <>B>@=0 ?5@8D5@8G=0 =59@>?0BVO, @>7;048 ?@>F5AV2 @CEC, B0:>6 ?V4 G0A E>4L18.
I>:C >@30=V2 7>@C: 7>@>2V ?>@CH5==O, 2;;NG0NG8 =5GV:B:VABL 7>@C, B&2C 2B@0BC 7>@C.
I>:C >@30=V2 A;CEC B0 ;01V@8=BC: 25@B83>, ?>@CH5==O A;CEC, 2B@0B0 A;CEC, 472V= C 2CE0E.

I>:C A5@F52>-AC48==>W A8AB5<8: B0EV:0@4VO; 7=865==O 0@B5@V0;L=>3> B8A:C; :>;0?A, ?>4V1=89 4> H>:C; A5@F518BBO; H;C=>G:>20 0@8BG:>20 B0EV:0@4VO; ?>;V<>@D=0 H;C=>G:>20 B0EV:0@4VO (torsade de pointes), I> <>65 ?@872>48B8 4> 7C?8=:8 A5@FO, A?>AB5@V30;0AO ?5@5206=> 4;O ?0FVT=BV2 V7 D0:B>@0<8 @878:C ?>4>265==O QT V=B5@20;C (482. @>74V; <<A>1;82>ABV 70AB>AC20==O) (>4>265==O V=B5@20;C QT) B0 @>74V; <<5@54>7C20==O)).
I>:C >?>@=>-@CE>2>3> 0?0@0BC: C@065==O ACE>68;;O, C B>3> 70?0;5==O, 1V;L C AC3;>10E 01> <O70E, @>7@82 ACE>68;;O (=0?@8;;04, @>7@82 0EV;;>2>3> ACE>68;;O). &O ?>1VG=0 4VO<>65 ?@>O28B8AO ?@>B03>< 48 3>48= 2V4 ?>G0B:C ;V:C20==O B0 C@078B8 0EV;;>25 ACE>68;;O >1>E =V3, C@065==O ;V7). >6;820 <O7>20 A;01:VABL, O:0<>65 <O8 >A>1;825 7=0G5==O 4;O E2>@8E =0 B06:C gravis.

5?0B>1V;V0@=V @>7;048: ?V428I5=V ?>:07=8:8 ?5GV=:>28E 5=78W D>AD0B078 B0 ", ?V428I5=V ?>:07=8:8 1V;V@C1V=C A8@>20B:8 :@>2V, 6>2BO=8FO, ?5GV=:>2V @50:FVW, B0:V O: 70?0;5==O ?5GV=:8. "O6:5 C@065==O ?5GV=:8, 2;;NG0NG8 28?04:8 3>AB@>W ?5GV=:>2>W =54>AB0B=>ABV, V=>4V ;5B0;L=V, ?5@5206=> C ?0FVT=BV2 7 B06:8<8 >A=>2=8<8 70E2>@N20==O<8 (482. @>74V; <<A>1;82>ABV 70AB>AC20==O)).

I>:C =8@>: B0 A5G>282V4=>W A8AB5<8: ?V428I5=V ?>:07=8:8 :@50B8=V=C A8@>20B:8 :@>2V, ?>@CH5==O DC=:FVW =8@>:, 3>AB@0 =8@>:20 =54>AB0B=VABL (=0?@8;;04, C=0A;V4>: V=B5@AB8FV0;L=>3> =5D@8BC).

I>:C A8AB5<8 :@>2V: ?V428I5==O :V;L:>ABV ?52=8E ;;VB8= :@>2V (5>78=>DV;VO), 7<5=H5==O :V;L:>ABV ;59:>F8BV2 (;59:>?5=VO), 7=865==O :V;L:>ABV ?52=8E ;59:>F8BV2 (=59B@>?5=VO), 7 <5=H5==O :V;L:>ABV B@>1>F8BV2 (B@><1>F8B>?5=VO), I> <>65 A?@8G8=8B8 ?V428I5=C AE8;L=VABL 4> :@>2>28;82V2 01> :@>2>B5G, 4>A8BL 7=0G=5 7<5=H5==O :V;L:>ABV ?52=8E ;59:>F8BV2 (03@0=C;>F8B>7), I> <>65 ?@8725AB8 4> B06:8E A8@>18 (B@820;0 01> @5F8482CNG0 30@OG:0, D0@8=3VB, 28@065=5 E2>@>1;825 A0<>?>GCBB0), 7=865==O :V;L:>ABV 5@8B@>F8BV2 C=0A;V4>: WE @C9=C20==O (35<>;VB8G=0 0=5 =HV ?>1VG=V 4VW: 7030;L=0 A;01:VABL (0AB5=VO), 30@OG:0, 0;5@3VG=V @50:FVW 7 1>:C ;535=V2 (0;5@3VG=89 ?=52<>=VB) 01> =525;8:8E :@>2>=>A=8E AC48= (;59:>F8B>;0AB8G=89 20A:C;VB), 48A:V=57VO, 1V;L (2;;NG0NG8 1V;L C A?8=V, 3@C4OE B0 :V=FV2:0E), =0?048 ?>@DV@VW C ?0FVT=BV2 V7 =0O2=VABN ?>@DV@VW, 5:AB@0?V@0 0AB>AC20==O 1C4L-O:8E 0=B810:B5@V0;L=8E 70A>1V2 <>65 ?@8725AB8 4> ?>@CH5=L, ?>2O70=8E 7 WE 2?;82>< =0 =>@<0;L=C D;>@C ;N4AL:>3> >@30=V7. FVTW ?@8G8=8 <>65 @>728=CB8AO 2B>@8==0 V=D5:FVO, O:0 28<030B8<5 4>40B:>2>3> ;V:C20==O.

5@54>7C20==O. 09206;82VHV ?5@5410GC20=V A8<8 ?5@54>7C20==O ;52>D;>:A0F8=>< AB>ACNBLAO F5=B@0;L=>W =5@2>2>W A8AB5<8 (A?;CB0=VABL A2V4<>ABV, 70?0<>@>G5==O, ?>@CH5==O A2V4<>ABV, AC4<=V =0?048, 30;NF8=0FVW B0 B@5<>@); @50:FV9 7 1>:C H;C=:>2>- :8H:>2>3> B@0:BC (=C4>B0 B0 5@>7VO A;87>28E >1>;=>:). 3V4=> 7 @57C;LB0B0<8 4>A;V465=L ?@8 70AB>AC20==V 4>7 28I5 B5@0?52B8G=8E A?>AB5@V30;>AO ?>4>265==O QT-V=B5@20;C. # 28?04:0E ?5@54>7C20==O =5>1EV4=> ?@>2>48B8 @5B5;L=5 A?>AB5@565==O 70 ?0FVT=B<, 2;;NG0NG8 . V:C20==O A8<0B8G=5. # @07V 3>AB@>3> ?5@54>7C20==O ?@87=0G0B8 ?@><820==O H;C=:0. ;O 70E8ABC A;87>2>W H;C=:0 70AB>A>2C20B8 0=B0F84=V 70A>18. 5<>4V0;V7, C B>=50;L=89 4V0;V7 01> %, =5 T 5D5:B82=8< 4;O 282545==O ;52>D;>:A0F8=C 7 >@30=V7 4=8E A?5F8DVG=8E 0=B84>BV2.

0AB>AC20==O C ?5@V>4 203VB=>ABV 01> 3>4C20==O 3@C44N. '5@57 2V4ACB=VABL 4>A;V465=L V <>6;825 CH:>465==O EV=>;>=0<8 AC3;>1>2>3> E@OI0 2 >@30=V7AB5, ;52>D;>;:A0F8= =5 <>6=0 ?@87=0G0B8 203VB=8< B0 6V=:0<, O:V 3>4CNBL 3@C44N. /:I> ?V4 G0A ;V:C20==O ;52>D;>;:A0F8=< =0AB0;0 203VB=VABL, ?@> F5 A;V4 ?>2V4<8B8 ;V:0@O.

VB8. □VBO< =5 <>6=0 70AB>A>2C20B8 ;52>D;>;:A0F8= G5@57 <>6;825 CH:>465==O AC3;>1>2>3> E@OI0.

A>I;82>ABV 70AB>AC20==O. 5B8F8;V=-@578AB5=B=89 S. aureus. ;O <5B8F8;V=-@578AB5=B=>3> S. aureus (MRSA) VA=CT 4C65 28A>:0V<>2V@=VABL :>@578AB5=B=>ABV 4> DB>@EV=>;>=V2,C B> ;52>D;>;:A0F8=C. # 72O7:C 7 F8< ;52>D;>;:A0F8= =5 @5:<>5=4>20=89 4;O ;V:C20==O V=D5:FV9, 2V4<8 < 01> ?V4>7@N20=8< 71C4=8:<> O:8E T MRSA, 70 28=OB:>< 28?04:V2, :>;8 @57C;LB0B8 ;01>@0B>@=8E B5ABV2 ?V4B25@48;8 GCB;82VABL 71C4=8:0 4> ;52>D;>;:A0F8=C. 52>D;>;:A0F8= <>6=0 70AB>A>2C20B8 4;O ;V:C20==O 3>AB@>3> 10:B5@V0;L=>3> A8=CA8BC B0 703>AB@5==O E@>=VG=>3> 1@>=EVBC, O:I> FV V=D5:FVW 1C;8 =0;56=8< G8=>< 4V03=>AB>20=>. V:0@O<, O:V ?@87=0G0NBL B5@0?VN, @5:<5=4CTBLAO 2@0E>2C20B8 H8@5=VABL @578AB5=B=>ABV □.coli 4> DB>@EV=>;>=V2.

"5=48=VB B0 @>7@828 ACE>68;L. V4:> <>6CBL B@0?;OB8AO 28?04:8 B5=48=VBC. 09G0ABVH5 F5 AB>ACTBLAO 0EV;;>2>3> ACE>68;;O B0<>65 ?@8725AB8 4> @>7@82C ACE>68;;O. &59 =51060=89 5D5:B <>65 28=8:0B8 ?@>B03<> 48 3>48= ?VA;O ?>G0B:C ;V:C20==O B0<>65 1CB8 42>1VG=8728B:C B5=48=VBC B0 @>7@82C ACE>68;;O 71V;LHCTBLAO C ?0FVT=BV2 2V:< 2V4 60 @>:V2, C ?0FVT=BV2, O:V >B@870E 1000 <3 =0 4>1C, B0 C ?0FVT=BV2, O:V ?@89<0NBL :>@B8:>AB5@>W48. 0FVT=B0<;VB=L>3> 2V:C A;V4 :>@83C20B8 4>1>2C 4>7C ?@5?0@0BC 70;56=> 2V4 ;V@5=AC :@50B8=V=C (482. @>74V; «!>AV1 70AB>AC20==O B0 4>78»). # 72O7:C V7 2815707=0G5=8< A;V4 @5B5;L=> =03;O40B8 70 F8<8 :0B53>@VO<8 ?0FVT=BV2, O:I> W< ?@87=0G8;8 ;52>D;>;:A0F8=. #AV ?0FVT=B8 <0NBL ?@>:=AC;LBC20B8AO 7V A2>W<;V:0@5<, O:I> C =8E 28=8:=CBL A8<8 B5=48=VBC. /:I> ?V4>7@NTBLAO B5=48=VB, =5>1EV4=> =5309=> ?@8?8=8B8 ;V:C20==O ;52>D;>;:A0F8=< B0 @>7?>G0B8 =0;56=5 ;V:C20==O (=0?@8;:04, V<<>1V;V70FVN) C@065=>3> ACE>68;;O (482. @>74V;8 «@>B8?>:070==O» B0 «>1VG=V @50:FVW»). 0E2>@N20==O, A?@8G8=5=V Clostridium difficile

V0@50, >A>1;82> BO6:0, ABV9:0 B0/01> 7 4>BO3<< :V;L>E B86=V2 ?VA;O ;V:C20==O),<>65 1CB8 A8 << 70E2>@N20==O, 7C<>2;5=>3> Clostridium difficile 0E2>@N20==O, 7C<>2;5=5 Clostridium difficile, 70 A2>TN BO6:VABN <>65 20@VN20B8 2V4 ;53:>3> 4> =5157?5G=>3> 4;O 68BBO; =091V;LH BO6:>N D>@ <>N B0:>3> 70E2>@N20==O T ?A524<<5<1@0=>7=89 :>;VB (482. @>74V; «>1VG=V @50:FVW»). # 72O7:C 7 F8< 206;82> 7206C20B8 F59 4V03=>7 C ?0FVT=BV2, C O:8E =0 B;V ;V:C20==O ;52>D;>;:A0F8=> < 01> ?VA;O =L>3> @>72820TBLAO BO6:0 4V0@50. /:I> ?V4>7@NTBLAO 70E2>@N20==O, 7C<>2;5=5 Clostridium difficile, A;V4 =5309=> 2V4D;>;:A0F8= B0 C =52V4;:04=>@O4:C @>7?>G0B8 =0;56=5 ;V:C20==O. @5?0@0B8, I> ?@83=VGCNBL ?5@8AB0;LB8:C, C FV9 ;V=VG=V9 A8BC0FVW ?@>B8?>:070=V.

0FVT=B8, AE8;L=V 4> AC4> %V=>;>=8 <>6CBL 7=86C20B8 AC4<=89 ?>@V3 B0 ?@>2>:C20B8 28=8:=5==O AC4>;>=8 <>6CBL 7=86C20B8 AC4<=89 ?>@V3 B0 ?@>2>:C20B8 28=8:=5==O AC4> D;>;:A0F8= ?@>B8?>:070=89 ?0FVT=B0< 7 5?V;5?AVTN 2 0=0=57V (482. @>74V; «@>B8?>:070==O») B0, O: V V=HV EV=>;>=8, 9>3> A;V4 70AB>A>2C20B8 7 =04728G09=>N >15@56=VABN ?0FVT=B0<, AE8;L=8< 4> AC4<, B0 ?@8 >4=>G0A=>

0FVT=B8 7 =54>AB0B=VABN 3;N:>7>-6-D>AD0B453V4@>35=078. 0FVT=B8 7 ?@8E>20=8<8 01> O2=8 <8 ?>@CH5==O<8 0:B82=>ABV 3;N:>7>-6-D>AD0B453V4@>35=078 <>6CBL 1CB8 AE8;L=8<8 4> 35 <>;VB8G=8E @50:FV9 ?@8 ;V:C20==V EV=>;>=>28<8 0=B81V>B8:0<8. # 72O7:C 7 F8< ?@8 =5>1EV4=>ABV 70AB>AC20==O ;52>D;>;:A0F8=C 4;O F8E ?0FVT=BV2 A;V4 74V9A=N20B8 =03;O4 I>4> <>6;82>3> 28=8:=5==O 35<>;V7C.

0FVT=B8 7 =8@:>2>N =54>AB0B=VABN. A:V;L:8 ;52>D;>;:A0F8= 282>48BLAO ?5@5206=> =8@:0<8, ?>B@V1=0 :>@5:FVO 4>78 4;O E2>@8E V7 ?>@CH5=>N DC=:FVTN =8@>: (=8@:>2>N =54>AB0B=VABN) (482. @>74V; «!>AV1 70AB>AC20==O B0 4>78»).

50:FVW ?V428I5=>W GCB;82>ABV (3V?5@GCB;82>ABV). 52>D;>:A0F8= <65 ?@8725AB8 4>
A5@9>7=8E, ?>B5=FV9=> ;5B0;L=8E @50:FV9 3V?5@GCB;82>ABV (=0?@8::04, 2V4
0=3V>=52@>B8G=>3> =01@O:C 4> 0=0DV;0:B8G=>3> H>:C), 2 >:@5<8E 28?04:0E ?VA;O ?5@H>W 6
4>78 ?@5?0@0BC. 0FVT=B8 <0NBL =5309=> ?@8?8=8B8 70AB>AC20==O ?@5?0@0BC B0 ?>2V4<8B8
A2>3> ;V:0@O 01> 725@=CB8AO 70 =52V4::04=>N <548G=>N 4>?><3>N.
"O6:V 1C;L>7=V @50:FVW. >2V4<;O;>AO ?@> 28?04:8 BO6:8E 1C;L>7=8E H:V@=8E @50:FV9, B0:8E
O: A8=4@< !BV25=A0-6>=A>=0 01> B>:A8G=89 5?V45@<0;L=89 =5:@>;V7, =0 B;V 70AB>AC20==O
>52>D;>:A0F8=C (482. @>74V; <<1VG=V @50:FVW)). /:I> 28=8:=5 1C4L-O:5 C@065==O H:V@8 B0/01>
A;87>28E >1>;>=:, ?0FVT=B8 ?>28==V =5309=> ?>2V4<8B8 A2>3> ;V:0@O, ?5@H =V6
?@>4>26C20B8 ;V:C20==O.
873;V:5/: V ?@8 70AB>AC20==V CAVE EV=>;>=V2, ?>2V4<;O;>AO ?@> 28?04:8 7:C @V2=O 3;N:>78
C :@>2V, A5@54 O:8E 1C;8 O: 28?04:8 3V?>3;V:5A?>AB5@V30;8AO, O: ?@028;>, C ?0FVT=BV2
E2>@8E =0 FC:@>289 4V015B, O:V >B@8@0;L=8< FC:@>7=86C20;L=8< ?@5?0@0B< (=0?@8::04,
3;V15=::0<) 01> V=AC;V=>2V4<;O;>AO ?@> 28?04:8 3V?>3;V:5W :><8. 0FVT=B0< E2>@8< =0
FC:@>289 4V015B @5:><5=4CTBLAO @5B5;L=> :>=B@>;N20B8 @V25=L 3;N:>78 C :@>2V (482.
@>74V; <<1VG=V @50:FVW)).
@>DV;0:B8:0 D>B>A5=A81V;V70FVW.>2V4<;O;>AO ?@> 28?04:8 D>B>A5=A81V;V70FVW =0 B;V
70AB>AC20==O ;52>D;>:A0F8=C (482. @>74V; <<1VG=V @50:FVW)). ;O 70?>1V30==O
D>B>A5=A81V;V70FVW @5:><5=4>20=>, I>1 ?0FVT=B8 =5 707=020;8 157 ?>B@518 2?;82C A8;L=>3>
A>=OG=>3> 28?@> ?@>=F5», ;0;O@VN), ?V4 G0A ;V:C20==O B0 ?@>BO3< 48 3>48= ?VA;O
?@8?8=5==O ?@89>
0FVT=B8, O:V >B@8=VAB8 2VB0'5@57 <6;825 ?V428I5==O @V2=V2 ?>:07=8:V2 7AV40==O :@>2V
(?@>B@><1V=>289 G0A/4=5 =>@<0;V7>20=5 2V4=>H5==O) B0/01> 71V;LH5==O G0AB>B8 35
<>@03VG=8E CA::04=5=L C ?0FVT=BV2, O:V >B@8D;>:A0F8=, C :><1V=0FVW 7 0=B03>=VAB< 2VB0
<), ?@8 >4=>G0A=>AC20==V F8E 70A>1V2 =5>1EV4=> :>=B@>;N20B8 ?>:07=8:8 7AV40==O :@>2V
(482. @>74V; <<70T<>4VO 7 V=H8<8 ;V:0@AL:8<8 70A>10<8 B0 V=HV 2848 270T<>4V9)).
A8E>B8G=V @50:FVW.>2V4<;O;>AO ?@> ?A8E>B8G=V @50:FVW C ?0FVT=BV2, O:V ?@89<0NBL
EV=>;>=8, 2;;NG0NG8 ;52>D;>:A0F8=. # 4C65 @V4:VA=8E 28?04:0E 2>=8 ?@>3@5AC20;8 4>
ACWF840;L=8E 4C<: B0 A0<>45AB@C:B82=>W ?>254V=:8, V=>4V ;8H5 ?VA;O ?@89>W 4>78
>52>D;>:A0F8=C (482. @>74V; <<1VG=V @50:FVW)). # 28?04:C, O:I> C ?0FVT=B0 28=8:0NBL FV
@50:FVW, ?@89< ;52>D;>:A0F8=C A;V4 ?@8?8=8B8 B0 240B8AO 4> 2V4?>2V4=8E 70E>4V2. 5:>
<5=4CTBLAO 7 >15@56=VABN 70AB>A>2C20B8 ;52>D;>:A0F8= ?0FVT=B0< V7 ?A8E>B8G=8<8
@>7;040<8 01> ?0FVT=B0< V7 ?A8E>B8G=8<8 70E2>@N20==O<8 2 0=0<=57V.
>4>265==O V=B5@20;C QT. !;V4 7 >15@56=VABN 2V4=>A8B8AO 4> 70AB>AC20==O
DB>@EV=>;>=V2, 2;;NG0NG8 ;52>D;>:A0F8=, ?0FVT=B0< V7 2V4<8<8 D0:B>@0<8 @878:C 4;O
?>4>265==O V=B5@20;C QT, B0:8<8 O:, =0?@8::04:
- 2@>465=89 A8=4@< ?>4>265==O V=B5@20;C QT;
- AC?CB=T 70AB>AC20==O ;V:0@AL:8E 70A>1V2, 2V4<8E A2>TN 740B=VABN ?>4>26C20B8
V=B5@20; QT (=0?@8::04, ?@>B80@8B18 ;0AC B0 III, B@8F8;;VG=V 0=B845?@5A0=B8, <0:@>;V48,
0=B8?A8E>B8:8);
- =5A:>@83>20=89 5;5:B@>;VB=89 48A10;0=A (=0?@8::04, 3V?>:0;VT<03=VT
- 70E2>@N20==O A5@FO (=0?@8::04, A5@F520 =54>AB0B=VABL, V=D0@:B:0@40, 1@048:0@4VO)
(482. @>74V; <!?>AV1 70AB>AC20==O B0 4>78» (0FVT=B8 ;VB=L>3> 2V:C), @>74V; <<70T<>4VO 7
V=H8<8 ;V:0@AL:8<8 70A>10<8 B0 V=HV 2848 270T<>4V9», @>74V; <<1VG=V @50:FVW», @>74V;
<<5@54>7C20==O)).
0FVT=B8 ;VB=L>3> 2V:C B0 6V=:8 <>6CBL 1CB8 1V;LH GCB;828<8 4> ;V:0@AL:8E 70A>1V2, I>
?>4>26CNBL V=B5@20; QT. # 7207:C 7 F8< =5>1EV4=> 7 >15@56=VABN 70AB>A>2C20B8
DB>@EV=>;>=8, C B>D;>:A0F8=, ?0FVT=B0< F8E ?V43@C?.
5@8D5@8G=0 =59@>?0BVO. >2V4<;O;>AO ?@> A5=A>@=C 01> A5=A>@=C ?5@8D5@8G=C
=59@>?0BVN C ?0FVT=BV2, O:V ?@89<0;8 DB>@EV=>;>=8, 2;;NG0NG8 ;52>D;>:A0F8=, O:O <>65
H284:> =0AB020B8. @89>< ;52>D;>:A0F8=C A;V4 ?@8?8=8B8, O:I> C ?0FVT=B0 A?>AB5@V30NBLAO
A8<8 =59@>?0BVW, I>1 ?>?5@548B8 28=8:=5==O =5>1>@>B=>3> AB0=C.
5?0B>1V;V0@=V ?>@CH5==O. >2V4<;O;>AO ?@> 28?04:8 =5:@>B8G=>3> 35?0B8BC, 06 4>
?5GV=:>2>W =54>AB0B=>ABV, V=>4V ;5B0;L=>W, ?@8 ?@89>D;>:A0F8=C, ?5@5206=> C ?0FVT=BV2
V7 B06:8<8 >A=>2=8<8 70E2>@N20==O<8, =0?@8::04 A5?A8A< (482. @>74V; <<1VG=V @50:FVW)).

0FVT=B0< A;V4 ?>@5:<5=4C20B8 ?@8?8=8B8 ;V:C20=O B0 725@=CB8AO 4> A2>3> ;V:0@O, O:I> 28=8:0NBL B0:V ?@>O28 B0 A8<8 E2>@>18 ?5GV=:8 O: 0=>@5:AVO, 6>2BO=8FO, 7010@2;5=O A5GV C G>@=89 :>;V@, A25@1V6 01> 1>;V C 4V;O=FV 682>B0.

03>AB@5==O. \$B>@EV=>;>=8, C B>D;>:A0F8=, <0NBL 5D5:B =5@2>2>-< O7>2>W 1;>:048 B0 <>6CBL 703>AB@N20B8 < O7>2C A;01:VABL C ?0FVT=V2 74V C ?0FVT=V2 7 AC20=O< DB>@EV=>;>=V2 1C;8 0A>FV9>20=V A5@9>7=V ?>1VG=V @50:FVW,C B>AB0B=VABL, I> ?>B@51C20;0 @5A?V@0B>@=>W ?V4B@8

52>D;>:A0F8=5 @5:<5=4CTBLAO 4> 70AB>AC20=O ?0FVT=B0< V7 2V4><N >@CH5=O 7>@C. /:I> 28=8:0NBL 1C4L-O:V ?>@CH5=O 7>@C 01> ?>1VG=V O28I0 7 1>:C >G59, =5>1EV4=> =5309=> ?@>:>=AC;LBC20B8AO 7 >DB0;L<>;>3<< (482. @>74V;8 «40B=VABL 2?;820B8 =0 H284:VABL @50:FVW ?@8 :5@C20=V 02B>B@0=A?>@B< 01> @>1>BV 7 V=H8<8 <5E0=V7<0<8» B0 «>1VG=V @50:FVW»).

/C?5@V=D5:FVO. 0AB>AC20=O ;52>D;>:A0F8=C, >A>1;82> B@820;5, <>65 ?@872>48B8 4> =043> @>ABC =5GCB;828E 4> ?@5?0@0BC >@30=V7 =0 B;V B5@0?VW @>72820TBLAO AC?5@V=D5:FVO, =5>1EV4=> 70AB>AC20B8 =0;56=V 70E>48.

?;82 =0 @57C;LB0B8 ;01>@0B>@=8E 0=0;V7V2. # ?0FVT=V2, O:V >B@8D;>:A0F8=, 0=0;V7 =0 287=0G5=O ?>V0BV2 C A5GV <>65 4020B8 E81=>-?>78B82=V @57C;LB0B8. >65 28=8:=CB8 =5>1EV4=VABL ?V4B25@48B8 ?>78B82=V @57C;LB0B8 0=0;V7C =0 ?>V0B8 >B@8<0=V ?@8 A:@8=V=3>2>

52>D;>:A0F8= <>65 ?@83=VGC20B8 @VAB *Mycobacterium tuberculosis* V C 7207:C 7 F8< ?@872>48B8 4> E81=>-=530B82=8E @57C;LB0BV2 ?@8 10:B5@V>;>3VG=V9 4V03=>AB8FV BC15@:C;L>7C.

40B=VABL 2?;820B8 =0 H284:VABL @50:FVW ?@8 :5@C20=V 02B>B@0=A?>@B< 01> @>1>BV 7 V=H8<8 <5E0=V7<0<8. 5O:V ?>1VG=V @50:FVW, (=0?@8::04, 70?0<>@>G5=O/25@B83>, A>=;82VABL, ?>@CH5=O 7>@C) <>6CBL ?>@CHC20B8 740B=VABL ?0FVT=B0 4> :>=F5=B@0FVW C2038 V H284:>ABV 9>3> @50:FVW V, B0:8< G8=><, >1C<>2;N20B8 ?V428I5=89 @878: C B8E A8BC0FVOE, :>;8 FV O:>ABV <0NBL >A>1;82> 25;8:5 7=0G5=O (=0?@8::04, ?@8 C?@02;V=V 02B> <>1V;5< 01> @>1>BV 7 V=H8<8 <5E0=V7<0<8).

70T<>4VO 7 V=H8<8 ;V:0@AL:8<8 70A>10<8 B0 V=HV 2848 270T<>4V9.

!>;V 70;V70, A>;V F8=:C, <03=VT- 01> 0;N78=. 1A>@1FVO ;52>D;>:A0F8=C 7=0GCI> 7=86CTBLAO ?@8 70AB>AC20=V 4840=>78=C (F5 AB>ACTBLAO ;8H5 ;V:0@AL:8E D>@< 4840=>78=C 7 0;N <03=VT2 @1FVN ?VA;O ?5@>@0;L=>3> ?@89<5=4CTBLAO =5 70AB>A>2C20B8 ?@5?0@0B8, O:V 20;5=B=V 01> B@820;5=B=V :0BV>=8, B0:V O: A>;V 70;V70, A>;V F8=:C,<03=VT- 01> 0;N 4840=>78=C (F5 AB>ACTBLAO ;8H5 ;V:0@AL:8E D>@< 4840=>78=C 7 0;N <03=VT2D;>:A0F8=C (482. @>74V; «!>AV1 70AB>AC20=O B0 4>78»).

!>;V :0;LFVN <0NBL

/C:@0;LD0B. V>4>ABC?=VABL ;52>D;>:A0F8=C 7=0G=> 7<5=HCTBLAO ?@8 >4=>G0A=>G0AC << F8E ?@5?0@0BV2 ?>28=5= AB0=>28B8 =5 <5=H5 2 3>48=.

>6;825 ACBBT25 7=865=O AC4<=>3> ?>@>30 ?@8 >4=>G0A=>AC20=V EV=>;>=V2 7 B5>DV;V=<<, =5AB5@>W4=8<8 ?@>B870?0;L=8<8 ;V:0@AL:8<8 70A>10<8 B0 V=H8<8 ?@5?0@0B0<8, I> 7 <5=HCNBL AC4<=>89 ?>@V3. >=F5=B@0FVO ;52>D;>:A0F8=C C ?@8ACB=>ABV D5=1CD5=C 7@>AB0T ?@81;87=> =0 13 %, =V6 ?@8 ?@89>D;>:A0F8=C.

@>15=5F84 V F8<5B848=. !;V4 7 >15@56=VABN 2V4=>A8B8AO 4> >4=>G0A=>3> ?@89>D;>:A0F8=C 7 ;V:0@AL:8<8 70A>10<8, I> 2?;820NBL =0 :0=0;LF52C A5:@5FVN, B0:8<8 O: ?@>15=5F84 B0 F8 <5B848=, >A>1;82> C ?0FVT=V2 V7 =8@:>2>N =54>AB0B=VABN.

@>15=5F84 V F8<5B848= AB0B8AB8G=> 4>AB>2V@=> 2?;820NBL =0 282545=O ;52>D;>:A0F8=C. 8@:>289 ;V@5=A ;52>D;>:A0F8=C 7=86CTBLAO C ?@8ACB=>ABV ?@>15=VF84C =0 34 %, 0 F8 <5B848=C =0 24 %. 024O:8 FL>18420 ?@5?0@0B8 740B=V 1;>:C20B8 :0=0;LF52C 5:A:@5FVN ;52>D;>:A0F8=C.

?>A?>@8=. 5@V>4 =0?V268BBO F8;>A?>@8=C 71V;LHCTBLAO =0 33 % ?@8 >4=>G0A=>D;>:A0F8=> =B03>=VAB8 2VB0 @8 >4=>G0A=>AC20=V 7 0=B03>=VAB0<8 2VB04=5 =>@<0;V70FV9=5 A?V22V4=>H5=O) B0/01> :@>2>B5GV, I> <>6CBL 1CB8 28@065=8<8. 2060NG8 =0 F5, ?0FVT=B0<, O:V >45@6CNBL ?0@0;5;L=> 0=B03>=VAB8 2VB01EV4=> 74V9A=N20B8 :>=B@>;L ?>:07=8:V2 :>03C;OFVW.

0 D0@<0>:V=5B8:C ;52>D;>:A0F8=C ACBBT2> =5 2?;820T >4=>G0A=89 ?@89<< @07>< :0@1>=0BC :0;LFFVN, 483>:A8=C, 3;V15=:;0

V:0@AL:V 70A>18, I> ?>4>26CNBL V=B5@20; QT. 52>D;>:A0F8=, ?>4V1=> 4> V=H8E

DB>@EV=>;>=V2, A;V4 70AB>A>2C20B8 7 >15@56=VABN ?0FVT=B0<, O:V >B@818, 2V4>TN 740B=VABN ?>4>26C20B8 V=B5@20; QT (=0?@8:;04, ?@>B80@8B18 ::0AC B0 , B@8F8;;VG=V 0=B845?@5A0=B8, <0:@>;V48, 0=B8?A8E>B8:8).

5 @5:><5=4CTBLAO 70AB>AC20==O ;52>D;>:A0F8=C >4=>G0A=> 7 0;:>3>;5

=H0 7=0GCI0 V=D>@<0FVO. # 4>A;V465==V 7 282G5==O D0@<0>:V=5B8G=>W 270T<>4VW

;52>D;>:A0F8= =5 2?;8202 =0 D0@<0>:V=5B8:C B5>DV;V=C (O:89 T AC1AB@0B<< 4;O D5@<5=BC !# 12), I> A2V4G8BL ?@> B5, I> ;52>D;>:A0F8= =5 T V=3V1VB>@<< !# 12.

=HV D>@<8 270T<>4VW. @89>< W6V. 5 A?>AB5@V30;>AO ;;V=VG=> 7=0GCI>W 270T<>4VW 7

E0@G>28<8 ?@>4C:B0<8. @5?0@0B B0:8< G8=>< <>6=0 ?@89<0B8 =570;56=> 2V4 ?@89>

\$0@<0>;>3VG=V 2;0AB82>ABV.

\$0@<0>:48=0. 52>D;>:A0F8= E0@0:B5@87CTBLAO H8@>:8< A?5:B@<< 0=B810:B5@V0;L=>W 4VW. 0:B5@8F84=89 5D5:B 70157?5GCTBLAO 2=0A;V4>: ?@83=VG5==O ;52>D;>:A0F8=>< 10:B5@V0;L=>3> D5@<5=BC -3V@078, O:89 =0;568BL 4> B>?>V7><5@07 B8?C. 57C;LB0B<< B0:>3> ?@83=VG5==O T =5 <>6;82VABL ?5@5E>4C 10:B5@V0;L=>W 7V AB0=C «@5;0:A0FVW» C «=04A:@CG5=89» AB0=, I>, C A2>N G5@3C, @>18BL =5<>6;828< ?>40;LH89 ?>4V; (@>7<=>65==O) 10:B5@V0;L=8E ;;VB8=. !?5:B@ 0:B82=>ABV ;52>D;>:A0F8=C 2;;NG0T 3@078B82=V V 3@0<=530B82=V 10:B5@VW @07<< 7 =5D5@ <5=BCNG8<8 10:B5@VO<8.

> ?@5?0@0BC GCB;82V >@30=V7<8

@078B82=V 05@>18: *Enterococcus faecalis, Staphylococcus aureus methi-S, Streptococcigroup C, G, Streptococcus agalactiae, Streptococcus pneumoniae peni-I/S/R, Streptococcus pyogenes.*

@0<=530B82=V 05@>18: *Acinetobacter baumannii, Citrobacter freundii, Eikenella corrodens, Enterobacter agglomerans, Enterobacter cloacae, Escherichia coli, Haemophilus influenzae ampi-S/R, Haemophilus para-influenzae, Klebsiella oxytoca, Klebsiella pneumoniae, Moraxella catarrhalis β+/β-, Morganella morganii, Pasteurella multocida, Proteus mirabilis, Proteus vulgaris, Providencia rettgeri, Providencia stuartii, Pseudomonas aeruginosa, Serratia marcescens.*

=05@>18: *Bacteroides fragilis, Clostridium perfringens, Peptostreptococcus.*

=HV: *Chlamydia pneumoniae, Chlamydia psittaci, Legionella pneumophila, Mycoplasma pneumoniae, Ureaplasma, H.pylori.*

> 4VW ?@5?0@0BC =5?>ABV9=> GCB;82V

@078B82=V 05@>18: *Staphylococcus aureus methi-R.*

@0<=530B82=V 05@>18: *Burkholderia cepacia.*

=05@>18: *Bacteroides ovatus, Bacteroides thetaiotamicron, Bacteroides vulgaris, Clostridium difficile.*

> 4VW ?@5?0@0BC @578AB5=B=V

@078B82=V 05@>18: *Staphylococcus aureus methi-R, Staphylococcus coagulase negative methi-S(1).*

>4V1=> 4> V=H8E DB>@EV=>;>=V2, ;52>D;>:A0F8= =50:B82=89 I>4> A?V@>E5B.

\$0@<0>:V=5B8:0.

A<>:BC20==O.

5@>@0;L=> 70AB>A>20=89 ;52>D;>:A0F8= H284:> B0 <0965 ?>2=VABN 2A<>:BCTBLAO 7 ?V:<< :>=F5=B@0FVW C ?;072V, I> A?>AB5@V30TBLAO G5@57 1 3>48=C ?VA;O ?@89>NB=0

1V>4>ABC?=VABL <0965 100 %. 52>D;>:A0F8= ?V4;O30T ;V=V9=V9 D0@<0>:V=5B8FV C 4V0?07>=V

2V4 50 <3 4> 600 <3. @89>< W6V 45I> 2?;820T =0 9>3> 2A<>:BC20==O.

>7?>4V;.

@81;87=> 30-40 % ;52>D;>:A0F8=C 7207CTBLAO 7 ?@>B5W=>< A8@>20B:8 :@>2V. CD;>:A0F8=C ?@8

4>7C20==V 500 <3 1 @07 =0 4>1C =5 <0T ;;V=VG=>3> 7=0G5==O V 9>3> <>6=0 =5 1@0B8 4> C2038.

A=CT =57=0G=0, 0;5 ?5@5410GC20=0 9>3> :C7C20==V 500 <3 2 @078 =0 4>1C. !B01V;L=V ?>:07=8:8

@>7?>4V;C 4>AO30NBLAO ?@>BO3<< 3 4V1.

>7?>4V; C B:0=8=0E B0 @V48=0E >@30=V7

>7?>4V; C A:87>2V9 1@>=EV2 V A5:@5BV 1@>=EV0;L=>3> 5?VB5;VN

0:A8<0;L=0 :>=F5=B@0FVO ;52>D;>:A0F8=C C A:87>2V9 1@>=EV2 B0 A5:@5BV 1@>=EV0;L=>3>

5?VB5;VN ?@8 4>7V 2815 500 <3 per os AB0=>28;0 8,3 B0 10,8 □3/<; 2V4?>2V4=>.

>7?>4V; C B:0=8=V ;535=V2.

0:A8<0;L=0 :=F5=B@0FVO ;52>D;>:A0F8=C C B:0=8=V ;535=V2 ?@8 4>7V ?>=04 500 <3 per os AB0=>28;0 ?@81;87=> 11,3 □3/<; B0 4>AO30;0AL ?@>BO3<< 4-6 3>48= ?VA;O 22545==O.

>=F5=B@0FVO C ;535=OE ?>ABV9=> ?5@528IC20;0 B0:C C ?;072V.

>7?>4V; C @V48=V ?CE8@V2.

0:A8<0;L=0 :=F5=B@0FVO ;52>D;>:A0F8=C C @V48=V ?CE8@V2 ?VA;O ?@89>□3/<; 2V4?>2V4=>.

>7?>4V; C A?8==<<7:>2V9 @V48=V.

52>D;>:A0F8= ?>30=> ?@>=8:0T C A?8==><<7:>2C @V48=C.

>7?>4V; C B:0=8=V ?@>AB0B8. VA;O ?5@>@0;L=>3> ?@89>□3/3, 8,2 □3/3 B0 2,0 □3/3 2V4?>2V4=>

G5@57 2 3>48=8, 6 3>48= B0 24 3>48=8; A5@54=T A?V22V4=>H5==O :=F5=B@0FVW C ?@>AB0BV/ ?;072V 1,84.

>=F5=B@0FVO C A5GV. !5@54=O :=F5=B@0FVO ;52>D;>:A0F8=C ?@>BO3<< 8-12 3>48= ?VA;O

>4=>@07>2>W 4>78 150 <3 01> 300 <3, 01> 500 <3 per os AB0=>28;0 44 □3/<;, 91 □3/<; B0 200 □3/<; 2V4?>2V4=>.

5B01>;V7

52>D;>:A0F8= <5B01>;V7CTBLAO 4C65 =57=0G=>N N, <5B01>;VB0<8 T 48A<5B8;-;52>D;>:A0F8= B0 ;52>D;>:A0F8=N->:A84. &V <5B01>;VB8 AB0=>2;OBL <5=H5 5 % :V;L:>ABV ?@5?0@0BC, I> 284V;OTBLAO 7 A5G5N.

82545==O. VA;O >@0;L=>3> 22545==O ;52>D;>:A0F8= 282>48BLAO 7 ?;07<8 :@>2V 2V4=>A=>

?>2V;L=> (?5@V>4 =0?V2282545==O AB0=>28BL 6-8 3>48=). 82545==O 74V9A=NTBLAO 2 >A=>2=>

=04 85 % 22545=>W 4>78). 5<0T ACBBT2>W @V7=8FV I>4> D0@<0:>:V=5B8:8 ;52>D;>:A0F8=C ?VA;O 2=CB@VH=L>25=>3> B0 ?5@>@0;L=>3> 22545==O.

\$0@<0F52B8G=V E0@0:B5@8AB8:8.

A=>2=V DV78:>-EVABV: 1V;>3> :>;L>@C :0?AC;>?>4V1=V 42>>?C:;V 2:@8BV ?;V2:>2>N >1>;>=:>N

B01;5B:8 7 ;>3>B8?>< «RDY» 7 >4=>3> 1>:C B0 «279» 7 V=H>3> 1>:C (B01;5B:8 250 <3); 1V;>3>

:>;L>@C :0?AC;>?>4V1=V 42>>?C:;V 2:@8BV ?;V2:>2>N >1>;>=:>N B01;5B:8 7 ;>3>B8?>< «RDY» 7

>4=>3> 1>:C B0 «280» 7 V=H>3> 1>:C (B01;5B:8 500 <3).

"5@ABV. 2 @>:8.

#<>28 715@V30==O. 15@V30B8 C =54>ABC?=> V 70E8I5=>

#?0:>2:0. > 10 B01;5B>: 2 1;VAB5@V, ?> 1 1;VAB5@C C :0@B>==V9 :>@>1FV.

0B53>@VO 2V4?CA:C. 0 @5F5?B>

8@>1=8:. -@ 544VA 01>@0B>@VA B4, =4VODr. Reddy s Laboratories Ltd, India.

VAF57=0E>465==O.V;L=8FO 42, 45, 46, A. 0GC?0;V, CB1C;0?C@ 0=40;, >:@C3 0=30 544V, =4@ @045H, =4VO/Survey N>. 42, 45, 46, Bachupally Village, Qutbullapur Mandal, Ranga Reddy District, Andhra Pradesh, India.