

!" #&/
4;O <548G=>3> 70AB>AC20==O ;V:0@AL:>3> 70A>1C

&□\$□ !
(CEFIX)

04:

NG0 @5G>28=0: cefixime;
<; ACA?5=7VW @
>?>28=8: =0B@VN 15=7>0B (211); :A0=B0=>20 :0<54L; =0B@VN :@>A:0@<5;>70; =0B@VN :0@1>:A8
B8;F5;N;>70-F5;N;>70 :@8AB0;VG=0; :8A;>B0 ;8<=>=0, <=>=3V4@0B; :@5<=VN 4V>:A84 :>;>W4=89
72>4=89; A0E0@>70; 0@<0B870B>@ ?>;C=8G=89 (?>@>H>:).

0@AL:0 D>@<0. >@>H>: 4;O >@0;L=>W ACA?5=7VW.
=>2=V DV78:>-EVABV: ?>@>H>: 2V4 <0965 1V;>3> 4> A2VB;>-6>2B>3> :>;L>@C V7 70?0E< ?>;C=8FV.

@<0:>B5@0?52B8G=0 3@C?0.
810:B5@V0;L=V 70A>18 4;O A8AB5<=>3> 70AB>AC20==O. =HV 15B0-;0:B0<=V 0=B81V>B8:8. ?>A?>@8=8
>;V==O. >4 ""% J01D D08.

@<0:>;>3VG=V 2;0AB82>ABV.
@<0:>48=0
5DV:A8< 0=B81V>B8: 3@C?8 F5D0;>A?>@8=V2 ?>:>;V==O 4;O 2=CB@VH=L>3> 70AB>AC20==O. C<>20E
vitro?>@>O2;OT 7=0G=C 10:B5@8F84=C 0:B82=VABL 2V4=>A=> H8@>:>3> A?5:B@0 3@078B82=8E B0 3@0
530B82=8E >@30=V7 5D5:B82=89 ?@8 ;V:C20==V V=D5:FV9, A?@8G8=5=8E =09G0ABVH8<8 ?0B>35==8<8
@30=V7<0<8, 2;;NG0NG8 *Streptococcus pneumoniae*, *Streptococcus pyogenes*, *E.coli*, *Proteus Mirabilis*, *Klebsiella*
species, *Haemophilus influenzae*(15B0-;0:B0<07>?>78B82=V B0 -=530B82=V), *Moraxella (Branhamella) catarrhalis*
5B0-;0:B0<07>?>78B82=V B0 -=530B82=V) B0 *Enterobacterspecies*. OT 28A>:89 ABC?V=L AB01V;L=>ABV C
@8ACB=>ABV 15B0-;0:B0<07.

LHVABL HB0>:V2 (*Streptococcus faecalis*, *Streptococci 3@C?8 DB0 Staphylococci*(7>:@5<0
03C;07>?>78B82=V, :>03C;07>=530B82=V B0<5B8F8;V=>ABV9:V HB0<8) ABV9:V 4> F5DV:A8*Pseudomonas*,
acteroides fragilis, *Listeria monocytogenes*B0 *Clostridia*, ABV9:V 4> F5DV:A8
@<0:>:V=5B8:0.

>:BC20==O. 1A>;NB=0 1V>4>ABC?=VABL ?VA;O ?5@>@0;L=>3> 70AB>AC20==O F5DV:A88BL
-54 %. A:V;L:8 =0O2=VABL W6V 7=0G=> =5 2?;820T =0 2A>:BC20==O, F5DV:A8< <>6=0 ?@87=0G0B8
70;56=> 2V4 26820==O W6V. 0:A8<0;L=89 @V25=L C A8@>20BFV :@>2V ?VA;O ?@89<5=4>20=8E 4>7 4;O
@>A;8E 01> 4VB59 AB0=>28BL 2V4 1,5 4> 3 7C20==V 2V41C20TBLAO =57=0G=5 =0:>?8G5==O F5DV:A8
00:B8G=> =5 2V41C20TBLAO 9>3> =0:>?8G5==O. \$0@<0:>:V=5B8:0 F5DV:A8@V2=N20;0AO C 74>@>28E
FVT=V2 ;VB=L>3> 2V:C (2V:< > 64 @>:V2) V <>;>48E 4>1@>2>;LHV2 (2V:< 11-35 @>:V2) ?VA;O
@87=0G5==O 400 <3 F5DV:A848= @07 =0 4>1C ?@>BO3>< 5 4=V2. !5@54=V C_{max} B0 7=0G5==O AUC 1C;8
@>E8 28I5 C ?0FVT=V2 ;VB=L>3> 2V:C. 0FVT=B0< ;VB=L>3> 2V:C <>6=0 ?@87=0G0B8 ?@5?0@0B C
:8E 65 4>70E, I> V 4>@>A;8

?>4V;. &5DV:A8< <0965 ?>2=VABN 72'O7CTBLAO 7 D@0:FVTN 0;L1C28BL ?@81;87=> 30 %.

01>;V7 5B01>;VB8 F5DV:A8;L>20=V V7 A8@>20B:8 :@>2V 01> A5GV ;N48=8.

545==O. &5DV:A8< 282>48BLAO 2 >A=>2=>

OT 40=8E ?@> ?@>=8:=5==O F5DV:A8

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

070==O.

05:FV9=>-70?0;L=V 70E2>@N20==O, A?@8G8=5=V GCB;828<8 4> ?@5?0@0BC >@30=V7<0<8:
=D5:FVW 25@E=VE 48E0;L=8E H;OEV2 (C B>3> 2CE0) B0 V=HV V=D5:FVW 25@E=VE 48E0;L=8E H;OEV2
8=CA8B, D0@8=3VB, B>=78;VB 10:B5@V0;L=>W 5BV>;>3VW) C 28?04:C 2V4<>W 01> ?V4>7@N20=>W
BV9:>ABV 71C4=8:0 4> V=H8E G0AB> 28:>@8AB>2C20=8E 0=B81V>B8:V2, 01> C @07V @878:C
5D5:B82=>ABV ;V:C20==O;

D5:FVW =86=VE 48E0;L=8E H;OEV2 (2::NG0NG8 3>AB@89 1@>=EVB B0 703>AB@5==O E@>=VG=>3>
>=EVBC);

D5:FVW A5G>282V4=8E H;OEV2 (C B>C@5B@8B, =5CA::04=5=89 ?VT;>=5D@8B).

=VG=> 5D5:B82=89 ?@8 ;V:C20==V V=D5:FV9, A?@8G8=5=8E =09G0ABVH8<8 ?0B>35==8<8 >@30=V7<0
, 2::NG0NG8 *Streptococcus pneumoniae*, *Streptococcus pyogenes*, *E.coli*, *Proteus Mirabilis*, *Klebsiella species*,
Haemophilus influenzae (15B0-;0:B0<07>?>78B82=V B0 -=530B82=V), *Moraxella (Branhamella) catarrhalis* (15B0-
B0<07>?>78B82=V B0 -=530B82=V) B0 *Enterobacter species*. 0T 28A>:89 ABC?V=L AB01V;L=>ABV C
>8ACB=>ABV 15B0-;0:B0<07.

LHVABL HB0>:V2 (*Streptococcus faecalis*, *Streptococci* 3@C?8 DB0 *Staphylococci* (7>:@5<0

03C;07>?>78B82=V, :>03C;07>=530B82=V B0<5B8F8;V=>ABV9:V HB0<8) ABV9:V 4> F5DV:A8*Pseudomonas*,
Actinobacteroides fragilis, *Listeria monocytogenes* B0 *Clostridia* ABV9:V 4> F5DV:A8

>B8?>:070==O.

HB25@465=0 3V?5@GCB;82VABL 4> 0=B81V>B8:V2 3@C?8 F5D0;>A?>@8=V2 01> 4> V=H8E :>=5=BV2
>5?0@0BC; ?V428I5=0 GCB;82VABL 4> ?5=VF8;V=V2; ?>@DV@VO.

T<>4V0 7 V=H8<8 ;V:0@AL:8<8 70A>10<8 B0 V=HV 2848 270T<>4V9.

V ?@8 70AB>AC20==V V=H8E F5D0;>A?>@8=V2, ?V428I5==O ?@>B@<1V=>2>3> G0AC 1C;>
@5TAB@>20=> C 450:8E ?0FVT=BV2, B>B@815@56=>ABV ?0FVT=B0<, O:V >B@803C;O=B=C B5@0?VN.
F5DV:A8< A;V4 70AB>A>2C20B8 7 >15@56=VABN ?0FVT=B0<, O:V >B@803C;O=B8 =0 7@07>: :C<0@8=C,
?@8::04 20@D0@8= :0;VN. A:V;L:8 F5DV:A8< <>65 ?>A8;N20B8 4VN 0=B8:>03C;O=BV2, <>6;825
V;LH5==O ?@>B@<1V=>2>3> G0AC 7 01> 157 ;V=VG=8E ?@>O2V2 :@>2>B5G.
0B>@8 :0=0;LF52>W A5:@5FVW (0;>?C@8=>;, ?@>15=5F84, 4VC@5B8:8) ?V428ICNBL<0:A8<0;L=C
=F5=B@0FVN F5DV:A820BFV :@>2V, C?>2V;L=NNG8 282545==O F5DV:A8C20==O.
8 :><1V=>20=>AC20==V F5DV:A8B5=V9=> =5D@>B>:A8G=8<8 @5G>28=0<8 (03;V:>7840<8, :>;VAB8=>;
>V<, 2V><) 01> A8;L=>4VNG8<8 4VC@5B8:0<8 (5B0:@8=>2>N :8A;>B>N, DC@>A5<) VA=CT ?V428I5=89
878: @>728B:C =8@:>2>W =54>AB0B=>ABV.

VF8;>20 :8A;>B0 ?V428ICT @V25=L 2V;L=>3> F5DV:A8 ?5@5B5W=0<8. &59 5D5:B T 70;56=8< 2V4
=F5=B@0FVW.

@10<075?V= <>65 A?@8G8=OB8 ?V428I5==O :>=F5=B@0FVW F5DV:A82V,B>FV;L=> :>=B@>;N20B8 F59
:07=8:.

D548?V= ?V428ICT 1V>4>ABC?=VABL F5DV:A8

55=V9=>, ?>4V1=> 4> V=H8E 0=B81V>B8:V2, ?@8 70AB>AC20==V ?@5?0@0BC <>65 28=8:0B8 7

=H5==O @501A>@1FVW 5AB@>35=V2 B0 7=865==O 5D5:B82=>ABV :<1V=>20=8E ?5@>@0;L=8E
=B@0F5?B82V2.

4 G0A ;V:C20==O F5DV:A8<<< <>6;820 E81=>?>78B82=0 @50:FVO =0 3;N:>7C 2 A5GV ?@8 70AB>AC20==V
01;5B>: V7 AC;LD0B< 7G8=V2 5=548:B0 01> \$5;V=30. ;O 287=0G5==O 3;N:>78 C A5GV @5:<5=4CTBLAO
>@8AB>2C20B8 3;N:>7>>:A8407=89 B5AB.

A?>@8=>2V 0=B81V>B8:8 <>6CBL 4020B8 E81=>?>78B82=89 ?@O<89 B5AB C<1A0. B65, A;V4 <0B8 =0
07V, I> ?>78B82=89 B5AB C<1A0 <>65 1CB8 A?@8G8=5=89 40=8< ?@5?0@0B>

>I;82>ABV 70AB>AC20==O.

6:V H:V@=V ?>1VG=V @50:FVW, B0:V O: B>:A8G=89 5?V45@<0;L=89 =5:@>;V7, A8=4@< !BV25=A0-
=A>=0, <548:0<5=B>7=5 28A8?0==O 7 5>78=>DV;VTN B0 A8AB5<=8<8 ?@>O20<8 (DRESS A8=4@<X) 1C;8
@5TAB@>20=V C 450:8E ?0FVT=BV2 ?@8 70AB>AC20==V F5DV:A81VG=8E @50:FV9 70AB>AC20==O
F5DV:A82V4=5 ;V:C20==O.

8 ;V:C20==V F5D0;>A?>@8=0<8 1C;8 >?8A0=V 28?04:8 <548:0<5=B>7=>W 35<>;VB8G=>W 0=52B>@=>3>
AB>AC20==O F5D0;>A?>@8=V2 (C B>

82 =0 DC=:FVN =8@>:.

F5DV:A8< A;V4 70AB>A>2C20B8 7 >15@56=VABN ?0FVT=B0< 7V 7=0G=8< ?>@CH5==O< DC=:FVW =8@>:

32. «!/?>AV1 70AB>AC20==O B0 4>78. >7C20==O ?@8 =8@:>2V9 =54>AB0B=>ABV»).

V ?@8 70AB>AC20==V V=H8E F5D0;>A?>@8=V2, F5DV:A8< <>65 ?@8725AB8 4> 3>AB@>W =8@:>2>W
4>AB0B=>ABV, 2::NG0NG8 BC1C;>V=B5@AB8FV0;L=89 =5D@8B C O:>ABV >A=>2=>3> ?0B>;>3VG=>3>
B0=C. @8 28=8:=5==V 3>AB@>W =8@:>2>W =54>AB0B=>ABV 70AB>AC20==O F5DV:A82V4=C B5@0?VN
/01> 268B8 2V4?>2V4=V 70E>48.

8704:C 70AB>AC20==O F5DV:A870E >4=>G0A=> 7 03;V:>7840<8, ?>;V< , :>;VAB8=<, ?5B;L>28<8
C@5B8:0<8 (DC@>A5<, 5B0:@8=>2>N :8A;>B>N) =5>1EV4=> @5B5;L=> :=B@>;N20B8 DC=:FVN =8@>:
A;O B@820;>3> 70AB>AC20==O F5DV:A8?5@52V@OB8 AB0= DC=:FVW 35<>?>57C.
:FVW 3V?5@GCB;82>ABV.
207:C 7 ?5@5E@5A=>N @50:FVTN 3V?5@GCB;82>ABV, ?5@54 ?>G0B:< ;V:C20==O A;V4 2AB0=>28B8,
3 T C ?0FVT=B0 2 0=0<=57V BO6:V @50:FVW 3V?5@GCB;82>ABV 4> F5D0;>A?>@8=>28E 01>
=VF8;V=>28E 0=B81V>B8:V2. >A>1;82>N >15@56=VABN A;V4 ?@87=0G0B8 F5DV:A8< ?0FVT=B0< V7
428I5=>N GCB;82VABN 4> ?5=VF8;V=>28E 0=B81V>B8:V2, >A:V;L:8 VA=CT @878: 28=8:=5==O
0DV;0:B8G=>W @50:FVW. !:I> @>728=C;0AL 0;5@3VG=0 @50:FVO =0 F5DV:A8<, A;V4 ?@8?8=8B8
AB>AC20==O ?@5?0@0BC. ;5@3VG=V @50:FVW (>A>1;82> 0=0DV;0:AVO), I> A?>AB5@V30NBLAO ?@8
AB>AC20==V 15B0-;0:B0<=8E 0=B81V>B8:V2, <>6CBL 1CB8 BO6:8<8, 0 C ?>>48=>:8E 28?04:0E V7
B0;L=8<8 =0A;V4:0<8 (482. «>1VG=V @50:FVW»).

VB/=04>@30=V7
8 70AB>AC20==V ?@5?0@0BC <>6CBL 28=8:0B8 ?>1VG=V @50:FVW 7 1>:C B@02=>3> B@0:BC, B>
820;5 70AB>AC20==O F5DV:A8>@30=V7 ?>@CH5==O =>@<0;L=>W D;>@8 :8H5G=8:C, I> <>65
8725AB8 4> =043> @>ABC Candida albicans, B0 @>728B:C :0=484>7C A;87>2>W >1>;>=:8 @>B0 (482.
1VG=V @50:FVW»).

24><5<1@0=>7=89 :>;VB.
81V>B8:8 H8@>:>3> A?5:B@0 4VW, >A>1;82> ?@8 B@820;>AC20==V, <>6CBL 7C<>28B8 @>728B>:
524><5<1@0=>7=>3> :>;VBC. !8<8 ?A524><5<1@0=>7=>3> :>;VBC <>6CBL @>72820B8AO ?V4 G0A 01>
A;O ?@8?8=5==O ;V:C20==O 0=B81V>B8:0<8.
8:=5==O BO6:>W 4V0@5W ?V4 G0A ;V:C20==O ?@5?0@0B< <>65 1CB8 =0A;V4:< @>728B:C ?A524><5
@0=>7=>3> :>;VBC. # F8E 28?04:0E 70AB>AC20==O F5DV:A825AB8 2V4?>2V4=5 >1AB565==O.
32 =0 A8AB52V.
8 70AB>AC20==V 15B0-;0:B0<=8E 0=B81V>B8:V2 <>6;8289 @>728B>: =59B@>?5=VW B0
@0=C;>F8B>7C, >A>1;82> C 28?04:C B@820;>3> ;V:C20==O. @8 @>728B:C =59B@>?5=VW =5>1EV4=>
8?8=8B8 ;V:C20==O F5DV:A8<>
8 4>23>B@820;>AC20==V ?@5?0@0BC (?>=04 10 4=V2) A;V4 :=B@>;N20B8 0=0;V7 :@>2V.
32 =0 @57C;LB0B8 A5@>;>3VG=8E 4>A;V465=L.
8 70AB>AC20==V F5DV:A8(482. «>1VG=V @50:FVW»).

5:B@ 0=B810:B5@V0;L=>W 0:B82=>ABV.
8 V=D5:FVOE, I> 28;:8:0=V 15B0-35<>;VB8G=8< AB@5?B>:>:< 3@C?8 :C@A ;V:C20==O <0T AB0=>28B8 =5
=H5 10 4V1, I>1 70?>1V3B8 3>AB@V9 @52<0B8G=V9 30@OGFV.
T<>4VO 7 0;:>3>;5
A?>@8=8 ?V428ICNBL B>:A8G=VABL 0;:>3>;N, B>
:820 V=D>@<0FVO ?@> 45O:V 4>?>28=8 ?@5?0@0BC.
V:0@AL:>1V &5DV:A, ?>@>H>: 4;O >@0;L=>W ACA?5=7VW, 2 O:>ABV 4>?>W @5G>28=8 A0E0@>70, B>
?0FVT=B0 2AB0=>2;5=0 =5?5@5=>A81EV4=> ?@>:=AC;LBC20B8AO 7 ;V:0@5<, ?5@H =V6 ?@89<0B8 F59
:0@AL:89 70AV1. 0FVT=B8 7 B0:8<8 @V4:VA=8<8 A?04:>28<8 70E2>@N20==O<8 O: =5?5@5=>A878 01>
4>AB0B=VABL A0E0@>78-V7<0;LB>78 =5 ?>28==V 70AB>A>2C20B8 F59 ?@5?0@0B.

B>AC20==O C ?5@V>4 203VB=>ABV 01> 3>4C20==O 3@C44N.
8E I>4> 70AB>AC20==O ?@5?0@0BC C ?5@V>4 203VB=>ABV =5<0T. 0AB>AC20==O F5DV:A84
3VB=>ABV <>6;825 ;8H5 B>4V, :>;8 >GV:C20=0 :>@8ABL 4;O<0B5@V ?5@528ICT ?>B5=FV9=89 @878: 4;O
>40. &5DV:A8< ?@>=8:0T G5@57 ?;0F5=BC. @8 =5>1EV4=>ABV 70AB>AC20==O ?@5?0@0BC A;V4 2V4
20==O 3@C44N.
B=VABL 2?;820B8 =0 H284:VABL @50:FVW ?@8 :5@C20==V 02B>B@0=A?>@B< 01> V=H8<8 <5E0=V7
<8.
0;<=5 2?;820T, 0;5 A;V4 2@0E>2C20B8 ?>1VG=V @50:FVW 7 1>:C ?04, 70?0<>@>G5==O), O:V <>6CBL 7C
28B8 7=865==O H284:>ABV ?A8E<>B>@=8E @50:FV9, C B0:>B@0=A?>@B< 01> @>1>B8 7 V=H8<8
;04=8<8 <5E0=V7<0<8.
>AV1 70AB>AC20==O B0 4>78.

89>< W6V =5 2?;820T =0 2A<>:BC20==O F5DV:A828BL 7 4=V2, C @07V =5>1EV4=>ABV ;V:C20==O <>6=0
4>268B8 4> 14 4=V2. @8 ;V:C20==V =5CA;:04=5=8E F8AB8BV2 :C@A ;V:C20==O AB0=>28BL 3 4=V.
BO< 2V:>< 2V4 6 10 @>:V2 7 <0A>NBV;0 4> 50 :3:
5:><5=4>20=0 4>70 AB0=>28BL 8 <3/:3 =0 4>1C 70 1 ?@89>< 01> 4 <3/:3 :>6=V 12 3>48= 70;56=> 2V4
06:>ABV 70E2>@N20==O.
@>A;8< B0 4VBO< 2V:>< 2V4 10 @>:V2 (01> 7 <0A>NBV;0 1V;LH5 50 :3):
5:><5=4>20=0 4>70 AB0=>28BL 400 <3 =0 4>1C 70 1 ?@89>< 01> 200 <3 :>6=V 12 3>48= 70;56=> 2V4
06:>ABV 70E2>@N20==O.
VVT=B0< ;VB=L>3> 2V:C:
087=0G0B8 ?@5?0@0B C @5:><5=4>20=V9 4;O 4>@>A;8E 4>7V. !;V4 :>=B@>;N20B8 DC=:FVN =8@>: V
>@83C20B8 4>7C ?@8 BO6:V9 =8@>:2V9 =54>AB0B=>ABV (482. <>7C20==O ?@8 =8@>:2V9
4>AB0B=>ABV)).
7C20==O ?@8 =8@>:2V9 =54>AB0B=>ABV:
DV:A8< <>6=0 70AB>A>2C20B8 ?@8 ?>@CH5==V DC=:FVW =8@>:. 0FVT=B0< V7 ;V@5=A><
50B8=V=C 20 <:/E2 01> 28I5 ?@87=0G0B8 728G09=C 4>7C V @568< 4>7C20==O. # ?0FVT=BV2 7
V@5=A>< :@50B8=V=C =86G5 20 <:/E2 @5:><5=4CTBLAO 4>1>2C 4>7C 7<5=H8B8 =0 50 %. &5 B0:>6
3>ACTBLAO ?0FVT=BV2, O:V 7=0E>4OBLAO =0 E@>=VG=>=50;L=> 35<>4V0;V7V.
>AV1 ?@83>BC20==O ACA?5=7VW.
054 ?@83>BC20==O< =5>1EV4=> ?5@525@=CB8 B0 AB@CA8B8 D;0:=, I>1 @>7?CH8B8 ?>@>H>:. >40B8
OG5=>W E>;>4=>W 2>48 4> ;V=VW (W =0 D;0:=>V, C 2 ?@89><8, :>6=>3> @07C 71>2BCNG8 D;0:=> 4>
32>@5==O >4=>@V4=>W ACA?5=7VW.
89<0B8 ACA?5=7VN <>6=0 =5 @0=VH5 =V6 G5@57 5 E28;8= ?VA;O ?@83>BC20==O.
054 :>6=8< ?@89><< 3>B>2C ACA?5=7VN B@510 @5B5;L=> AB@CA8B8.
88.
5?0@0B 70AB>A>2C20B8 4VBO< 2V:>< 2V4 6 AC20==O F5DV:A82;5=V, B>A>2C20B8 F5DV:A8< 40=V9
353>@VW ?0FVT=BV2 =5 @5:><5=4CTBLAO.
054>7C20==O.
<8: ?>A8;5==O ?@>O2C ?>1VG=8E @50:FV9, 70?0<>@>G5==O, =C4>B0, 1;N20==O, 4V0@50.
C20==O: ?@><820==O H;C=:0, 70AB>AC20==O 0=B83VAB01V2 V 3;N:>:>@B8:>W4V2; >:A835=>B5@0?VO.
>4V0;V7 01> ?5@8B>=50;L=89 4V0;V7 ;8H5 =57=0G=>N N A?@8ONBL 282545==N F5DV:A8@30=V7
F8DVG=8E 0=B84>BV2 4;O ;V:C20==O ?5@54>7C20==O =5<0T.
VG=V @50:FVW.
VG=V @50:FVW, A?@8G8=5=V F5DV:A8<<, =57=0G=V B0 28=8:0NBL @V4:>. >6;82V B0:V ?>@CH5==O:
>C =5@2>2>W A8AB5<8: 3>;>2=89 1V;L, 70?0<>@>G5==O, 48AD>@VO, 3V?5@0:B82=VABL.
>C >@30=V2 A;CEC B0 25AB81C;O@=>3> 0?0@0BC: 2B@0B0 A;CEC.
>C 48E0;L=>W A8AB5<8: 48A?=>5.
>C A8AB5<8 :@>2V B0 ;VW A8AB5<8: 5>78=>DV;VO, 3@0=C;>F8B>?5=VO, ;59:>?5=VO, B@>
>F8B>?5=VO, B@><1>F8B>7, =59B@>?5=VO, 35<>;VB8G=0 0=5?@>B@><1V=52>B5GV B0 A8=FV 157 2848
E ?@8G8=), B@><1>D;51VB, ?>4>265==O B@><1V=>2>3> B0 ?@>B@><1V=>2>3> G0AC, 03@0=C;>F8B>7.
>C B@02=>3> B@0:BC: A?07<8 C H;C=:C B0 :8H5G=8:C, 1V;L C 682>BV, 4V0@50*, =C4>B0, 1;N20==O,
=484>7 A;87>2>W >1>;>=:8 @>B0, ?A524<5<1@=>7=89 :>;VB, ACEVABL C @>BV, 48A?5?AVO;<5B5>@87
48A10:B5@V>7, C ?>>48=>:8E 28?04:0E AB<0B8B, 3;>A8B.
>C >128= V E0@GC20==O: 0=>@5:AVO.
>C 35?0B>1V;V0@=>W A8AB5<8: 35?0B8B, E>;5AB07, B@0=78B>@=5 ?V428I5==O 0:B82=>ABV B@0=A0
D>AD0B078, 3V?5@1V;V@C1V=5;5AB0B8G=0 6>2BO=8FO, V:B5@8G=VABL A:;5@, V:B5@8G=VABL
V@8.
>C =8@>: B0 A5G>284V;L=>W A8AB5<8: 3>AB@0 =8@>:20 =54>AB0B=VABL, 2;;NG0NG8
=B5@AB8FV0;L=89 =5D@8B C O:>ABV >A=>2=>3> ?0B>;>3VG=>3> AB0=C, 35<0BC@VO.

:C VW A8AB5<8 B0 7 I>:C H:V@8 B0 ?V4H:V@=>W :;VB:>28=8: @50:FVW 3V?5@GCB;82>ABV,
NG0NG8: 28A8?0==O, A25@1V6, 0=3V>=52@>B8G=89 =01@O., 0=0DV;0:B8G=89 H>., 0=0DV;0:B8G=V
50:FVW; @50:FVW, ?>4V1=V 4> A8@>20B:>2>W E2>@>18;<548:0<5=B>7=89 28A8? 7 5>78=>DV;VTN B0
AB5<=8<8 ?@>O20<8 (DRESS); =01@O: >1;8GGO, 3V?5@5?82'O=:0, @<=0 5@8B5<0 01> A8=4@<
V25=A0-6>=A>=0, A8@>20B:>20 E2>@>10, ?C@?C@0, 0@B@0;3VO, 30@OG:0.

:C H:V@8: <0:C;>?0?C;L>7=V B0 2578:C;>1C;L>7=V 28A8?0==O, 3@81:>289 45@<0B8B, 7;CI5==O
VB5;VN, ACEVABL H:V@8, 28?040==O 2>;>AAO, A>=OG=V >?V:8, B>:A8G=89 5?V45@<0;L=89 =5:@>;V7.
D5:FVW B0 V=207VW: 203V=0;L=V :0=484>78 (203V=0;L=89 A25@1V6 01> 284V;5==O).

04:8 4V0@5W ?VA;O 70AB>AC20==O F5DV:A8*Clostridium difficile*.
V ;01>@0B>@=8E ?>:07=8:V2: 1V;LHVABL ;01>@0B>@=8E 7@=V B0 =5 <0NBL ;;V=VG=>3> 7=0G5==O.
;82V ?V428I5==O A5G>28=8 :@>2V, ?V428I5==O A8@>20B:>2>3> :@50B8=V=C,E81=>-?>78B82=V
57C;LB0B8 B5ABC C<1A0, B0:>6 <>6;820 ?>78B82=0 @50:FVO =0 :5B>=8 C A5GV 2 B5AB0E V7
AB>AC20==O< =VB@>?@CA84C, 0;5 =5 7 =VB@>D5@8FV0=V4< F5DV:A8@8AB>2C20B8 D5@<5=B=V
AB8, 7:07=8:V2 ?5GV=:>28E B0 =8@:>28E ?@>1.

0;L=V @>7;048: ?V428I5=5 ?>B>284V;5==O, ?V428I5=0 2B<;N20=VABL, A;01:VABL, 70?0;5==O A;87>28E
>;>=:.
V0@50 70728G09 ?>2O70=0 V7 70AB>AC20==O< ?@5?0@0BC C 28I8E 4>70E. >2V4><;O;8 ?@> 28?04:8
0@5W, 2V4 ?>W 4> BO6:>W; C B0:>W 4V0@5W 70AB>AC20==O F5DV:A8

@ABV.
@>:8 (=5@>7:@8B89 D;0:>=).
A;O ?@83>BC20==O 3>B>2C ACA?5=7VN 715@V30B8 ?@>BO3< 14 4=V2 C E>;>48;L=8:C.

>28 715@V30==O.
@V30B8 ?@8 B5
@V30B8 C =54>ABC?=>

0:>2:0.
D;0:>= 7 ?>@>H:<< (4;O 30 <; 01> 60 <; ACA?5=7VW) 7 ;>6:>N-4>70B>@<< C :0@B>==V9 :>@>1FV.

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

>1=8:.
@<0 =B5@=5H5=0;.

AF57=0E>465==O 28@>1=8:0 B0 9>3> 04@5A020465==O 4VO;L=>ABV.
0AB0;; @?>@B @>C4, !. 334, ;L 6C109E0 11941, <<0=, >@40=VO.

2=8:.
@<0 =B5@=5H5=0;.

AF57=0E>465==O 70O2=8:0.
334 ;L-6C109E0 11941 <<0=, >@40=VO.