#G0AB85 2>II A5@>AA89A:>9 =0CG=>-?@0:B8G5A:>9
:>=D5@5=F88 « :BC0;L=K5 2>?@>AK M?845<8>;>388
>A>1> >?0A=KE, ?@8@>4=>->G03>2KE 84@C38E 8=D5:F89»
 564C=0@>4=> <>;>4Q6=>> D>@C<0 « 545;O
=0C:8 2023 »

admin, Wednesday 22 November 2023 - 08:00:58

15 =>O1@O 2023 3. 2 @0<:0E <5@>?@8OB89 56254><AB25==>3>
=0CG=>->1@07>20B5;L=>3> :>=A>@F8C<0 (=0?@02;5=85
« (:>;0 <>;>4>3> <8:@>18>;>30») <>;>4K5 CGQ=K5
8=AB8BCB0 ?@8=O;8 CG0AB85 2 >@30=870F88 @01>B5   II
 A5@>AA89A:>9 =0CG=>-?@0:B8G5A:>9 :>=D5@5=F88
« :BC0;L=K5 2>?@>AK M?845<8>;>388 >A>1> >?0A=KE,
?@8@>4=>->G03>2KE 84@C38E 8=D5:F89»
 564C=0@>4=>> <>;>4Q6=>> D>@C<0 « 545;O =0C:8
2023 », ?@>2>48<>3> 14 17 =>O1@O =0 1075 !B02@>?>;LA:>3>
3>AC40@AB25==>3> <548F8=A:>3> C=825@A8B5B0.
!>>@30=870B>@>< :>=D5@5=F88 2KABC?8;
!B02@>?>;LA:89 ?@>B82>GC<=K9 8=AB8BCB
 >A?>B@51=047>@0.

 @01>B5 <5@>?@8OB8O 2 A<5H0==>< D>@<0B5 ?@8=O;8
CG0AB85 1>;5550 <>;>4KE CGQ=KE 8 A?5F80;8AB>2, 2 B><
G8A;5 <>;>4K5 CGQ=K5 87 $ #   - 8<. 01@8G52A:>3>
(3. >A:20), $ #   >;>3@04A:>3> ?@>B82>GC<=>3>
8=AB8BCB0 >A?>B@51=047>@0(3. >;>3@04), $ #
 >AB>2A:>3>->=0- >=C ?@>B82>GC<=>3> 8=AB8BCB0
 >A?>B@51=047>@0(3. >AB>2-=0- >=C), $ #   >AB>2
<8:@>18>;>388 8 ?0@078B>;>388 >A?>B@51=047>@0(3.
 >AB>2-=0- >=C), $ #   @:CBA:>3> ?@>B82>GC<=>3>
8=AB8BCB0 >A?>B@51=047>@0(3. @:CBA:), 0 B0:65 1C4CI85
A?5F80;8ABK :;8=8G5A:85 >@48=0B>@K 8 ABC45=BK
AB0@H8E :C@A>2 !B02@>?>;LA:>3> 3>AC40@AB25==>3>
<548F8=A:>3> C=825@A8B5B0.   !>3;0A=> ?>25AB:5 4=O =0

: > = D 5 @ 5 = F 8 8 1 K ; 8 @ 0 A A < > B @ 5 = K 8 > 1 A C 6 4 5 = K 17 = 0 C G = K E

4 > : ; 0 4 > 2, ? > A 2 O I Q = = K E 2 > ? @ > A 0 < A 2 5 @ H 5 = A B 2 > 2 0 = 8 O

< 5 B > 4 > 2 ; 0 1 > @ 0 B > @ = > 9 4 8 0 3 = > A B 8 : 8 > A > 1 > > ? 0 A = K E

? @ 8 @ > 4 = > - > G 0 3 > 2 K E 8 4 @ C 3 8 E 8 = D 5 : F 8 9, 8 7 C G 5 8 N 8 E

2 > 7 1 C 4 8 B 5 ; 5 9 8 ? @ 8 < 5 = 5 = 8 N A 2 @ 5 < < 5 = = K E

8 = D > @ < 0 F 8 > = = K E B 5 E = > ; > 3 8 9 4 ; O

M ? 8 7 > > B > ; > 3 > - M ? 8 4 5 < 8 > ; > 3 8 G 5 A : > 3 > < > = 8 B > @ 8 = 3 0.

' ; 5 = K 6 N @ 8 < 5 @ > ? @ 8 O B 8 O > B < 5 B 8 ; 8 2 K A > : C N

0 : B C 0 ; L = > A B L = 0 ? @ 0 2 ; 5 = 8 9 ? @ 5 4 A B 0 2 ; 5 = = K E @ 0 1 > B 4 ; O

@ 5 3 8 > = > 2 > A A 8 8. 0 B 5 @ 8 0 ; K 4 > : ; 0 4 2 2 K 7 2 0 ; 8 6 8 2 > 9

8 = B 5 @ 5 A 8 4 8 A : C A A 8 N @ 5 4 8 C G 0 A B = 8 : > 2 : > = D 5 @ 5 = F 8 8 ? >

2 > ? @ > A 0 < = 0 C G = K E 8 A A ; 5 4 > 2 0 = 8 9, ? @ > 2 > 4 8 < K E

< > ; > 4 K < 8 8 : > > 1 8 > ; > 3 0 < 8.   > ; > 4 K < 8 C G Q = K < 8

8 = A B 8 B C B 0 1 K ; 8 ? @ 5 4 A B 0 2 ; 5 = K 6 4 > : ; 0 4 > 2:   - « F 5 = : 0

2 8 @ C ; 5 = B = > A B 8 H B 0 < < > 2 2 8 @ C A 0   @ K < A : > 9 - > = 3 >

3 5 < > @ @ 0 3 8 G 5 A : > 9 ; 8 E > @ 0 4 : 8 4 ; O = > 2 > @ > 6 4 5 = = K E 15 ; K E

< K H 5 9 ». > : ; 0 4 G 8 : " : G 5 = > 0 B 0 ; L O ; 5 3 > 2 0, < ; 0 4 H 8 9

= 0 C G = K 9 A > B @ C 4 = 8 : : 0 1 > @ 0 B > @ 8 8 4 8 0 3 = > A B 8 : 8 2 8 @ C A = K E

8 = D 5 : F 8 9;   - « > ; 5 : C ; O @ = > - 3 5 = 5 B 8 G 5 A : 8 9 < > = 8 B > @ 8 = 3

2 > 7 1 C 4 8 B 5 ; O 8 E > @ 0 4 : 8   C, F 8 @ C ; 8 @ C N I 5 3 > = 0

B 5 @ @ 8 B > @ 8 8 ! B 0 2 @ > ? > ; L A : > 3 > : @ 0 O ». > : ; 0 4 G 8 :   ! 8 @ 8 F 0

. ; 8 O   ; 0 4 8 < 8 @ > 2 = 0, < ; 0 4 H 8 9 = 0 C G = K 9 A > B @ C 4 = 8 :

; 0 1 > @ 0 B > @ 8 8 4 8 0 3 = > A B 8 : 8 1 0 : B 5 @ 8 0 ; L = K E 8 = D 5 : F 8 9;   -

« F 5 = : 0 *in vitro* 0 4 J N 2 0 = B > > 3 > 4 5 9 A B 2 8 O CPG > ; 8 3 > = C : ; 5 > B 8 4 2

A : 2 0 4 @ C ? ; 5 : A K < 8 A B C : B C @ 0 < 8 ». > : ; 0 4 G 8 :   8 @ > 2

 = 4 @ 5 9 8 E 0 9 ; > 2 8 G = 0 C G = K 9 A > B @ C 4 = 8 : ; 0 1 > @ 0 B > @ 8 8

1 8 > E 8 < 8 8;   - «! @ 0 2 = 8 B 5 ; L = K 9 0 = 0 ; 8 7 3 5 = > < > 2 H B 0 < < > 2

Bacillus anthracis, F 8 @ C ; 8 @ C N I 8 E = 0 B 5 @ @ 8 B > @ 8 8 > @ > = 5 6 A : > 9

> 1 ; 0 A B 8, 2 K 4 5 ; 5 = = K E 2 @ 0 7 = K 9 ? 5 @ 8 > 4 2 @ 5 < 5 = 8 ».

 > : ; 0 4 G 8 :   > 1 @ K H 5 2 0   ; L 3 0   8 : B > @ > 2 = 0, < ; 0 4 H 8 9

= 0 C G = K 9 A > B @ C 4 = 8 : ; 0 1 > @ 0 B > @ 8 8 1 8 > E 8 < 8 8;   - « 5 = > < > 5

? @ > D 8 ; 8 @ > 2 0 = 8 5 H B 0 < < > 2 1 @ C F 5 ; ;, 2 K 4 5 ; 5 = = K E = 0

B 5 @ @ 8 B > @ 8 8 5 2 @ > ? 5 9 A : > 9 G 0 A B 8 > A A 8 9 A : > 9 $ 5 4 5 @ 0 F 8 8 ».

 > : ; 0 4 G 8 :   % 0 G 0 B C @ > 2 0   = = 0   = 4 @ 5 5 2 = 0, 1 8 > ; > 3

; 0 1 > @ 0 B > @ 8 8 1 @ C F 5 ; ; Q 7 0; - « = B 5 3 @ 0 F 8 O

< 0 A A - A ? 5 : B @ > < 5 B @ 8 G 5 A : 8 E < 5 B > 4 > 2 A A ; 5 4 > 2 0 = 8 O 2

A 8 A B 5 < C ; 0 1 > @ 0 B > @ = > 9 4 8 0 3 = > A B 8 : 8 A 8 8 @ A : > 9 O 7 2 K ».

 > : ; 0 4 G 8 :   0 ; 8 = 8 =   ; 5 : A 0 = 4 @   0 A 8 ; L 5 2 8 G, 1 8 > ; > 3

; 0 1 > @ 0 B > @ 8 8 ? > A B 3 5 = > < = K E B 5 E = > ; > 3 8 9.   >

@ 5 7 C ; L B 0 B 0 < : > = : C @ A 0 = 0 C G = K E @ 0 1 > B ? @ 8 7 Q @ 0 < 8 A B 0 ; 8
< > ; > 4 K 5 C G Q = K 5 8 = A B 8 B C B 0: 8 @ > 2 = 4 @ 5 9 8 E 0 9 ; > 2 8 G (II
< 5 A B >), 0 ; 8 = 8 = ; 5 : A 0 = 4 @ 0 A 8 ; L 5 2 8 G (II < 5 A B >) 8 ! 8 @ 8 F 0
. ; 8 O ; 0 4 8 < 8 @ > 2 = 0 (III < 5 A B >). 0 0 : B 8 2 = > 5 C G 0 A B 8 5 2 @ 0 1 > B 5
D > @ C < 0 8 ? ; > 4 > B 2 > @ = > 5 A > B @ C 4 = 8 G 5 A B 2 > 2 0 4 @ 5 A
8 = A B 8 B C B 0 ? > A B C ? 8 ; > 1 ; 0 3 > 4 0 @ A B 2 5 = = > 5 ? 8 A L < > > B
@ C : > 2 4 A B 2 0 ! B 0 2 @ > ? > ; L A : > 3 > 3 > A C 4 0 @ A B 2 5 = = > 3 >
< 5 4 8 F 8 = A : > 3 > C = 8 2 5 @ A 8 B 5 B 0.