

FIG. 1A

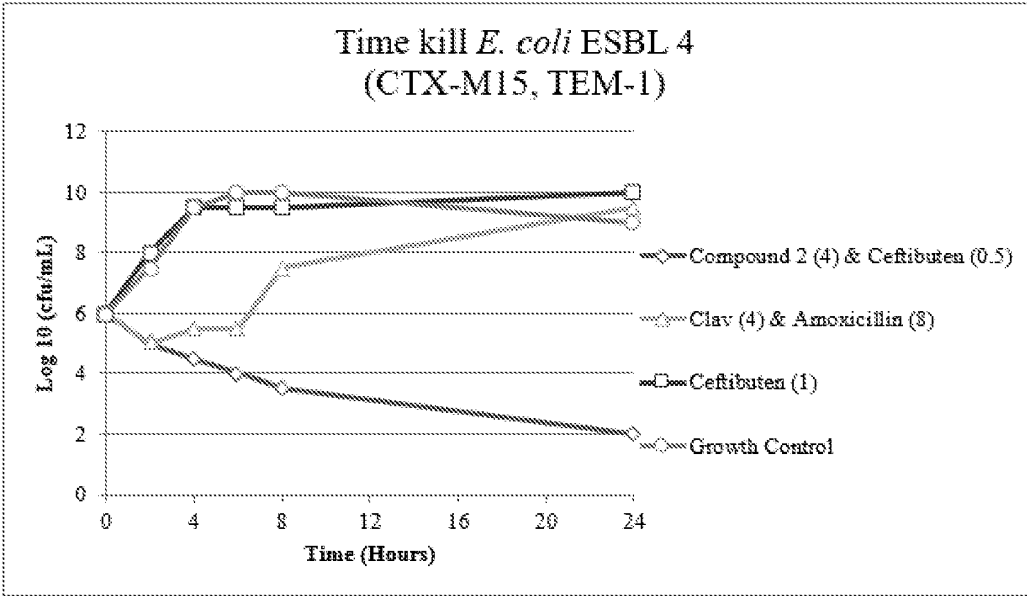


FIG. 1B

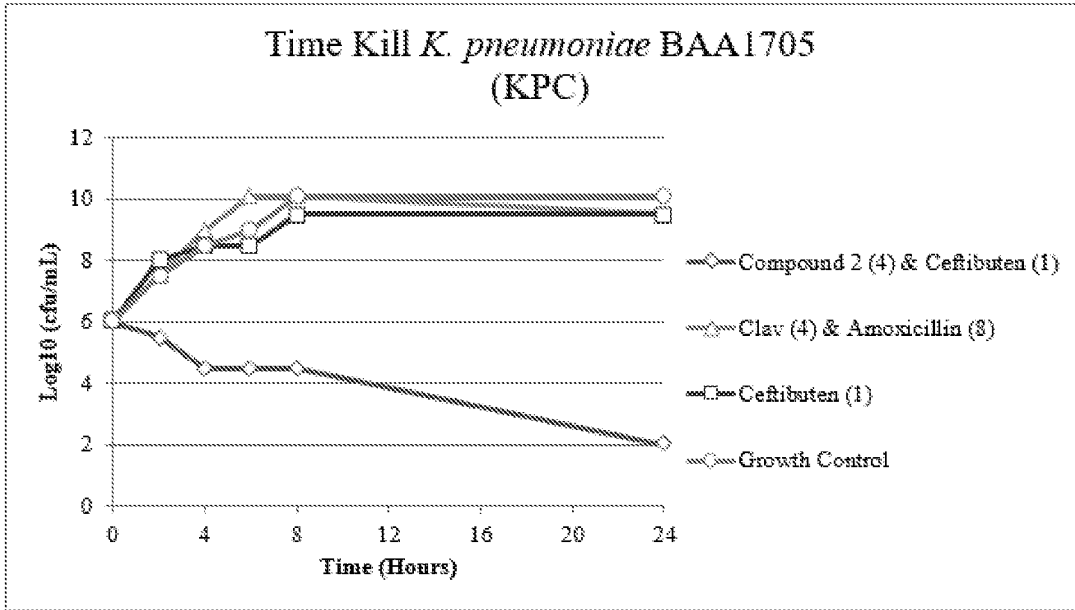


FIG. 1C

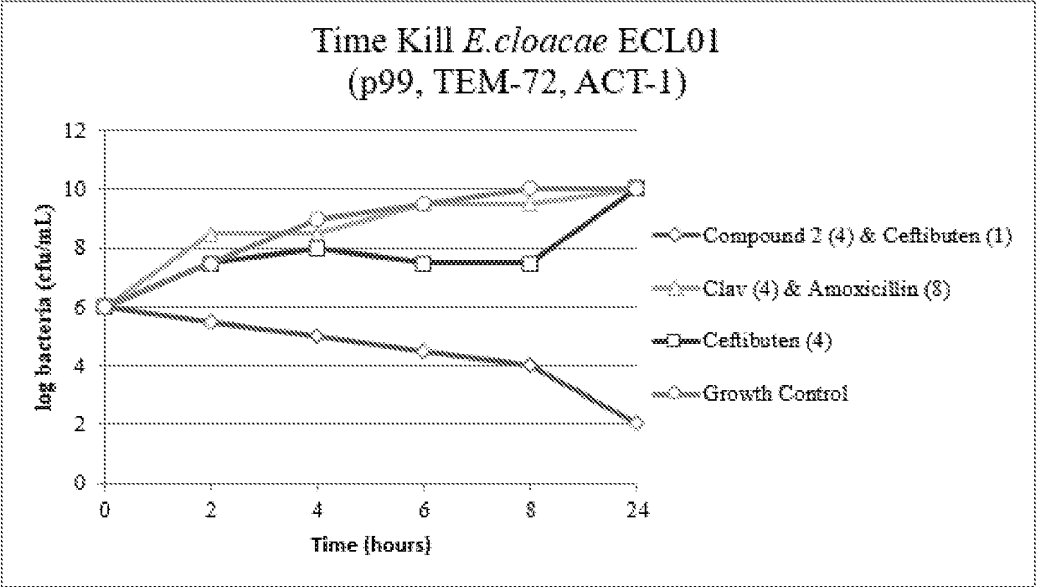
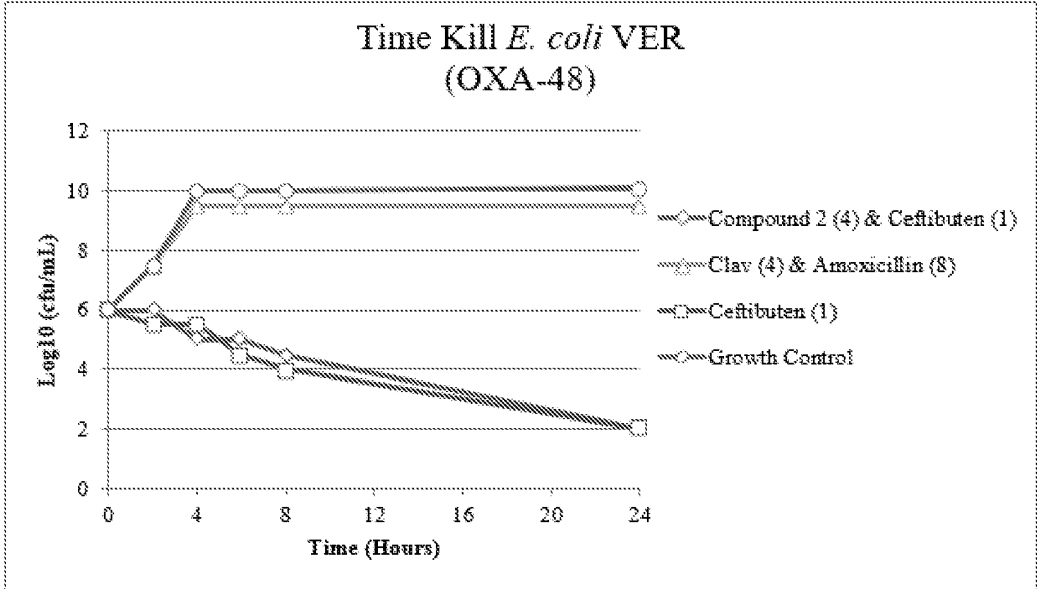
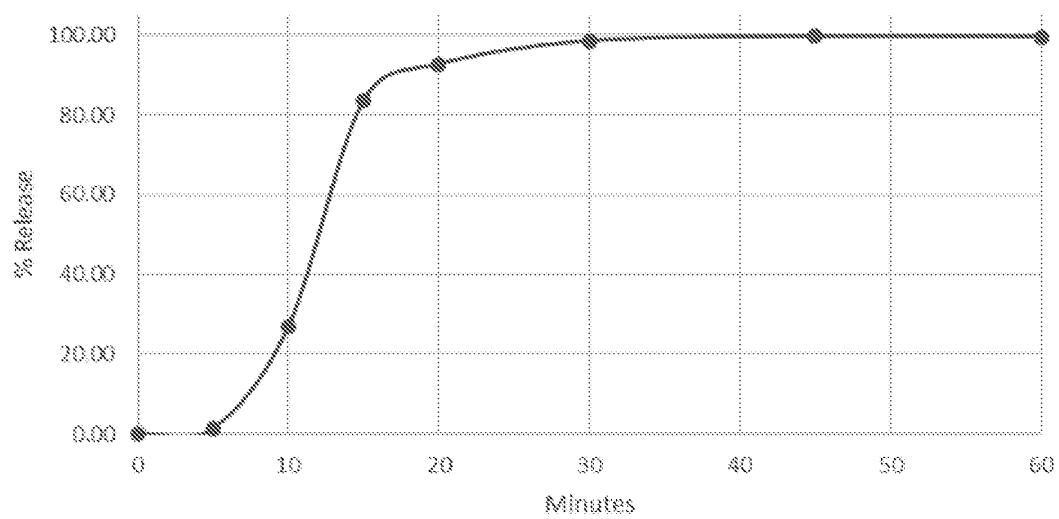


FIG. 1D



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FIG. 2



◆ Compound 1-ethanolate

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FIG. 3

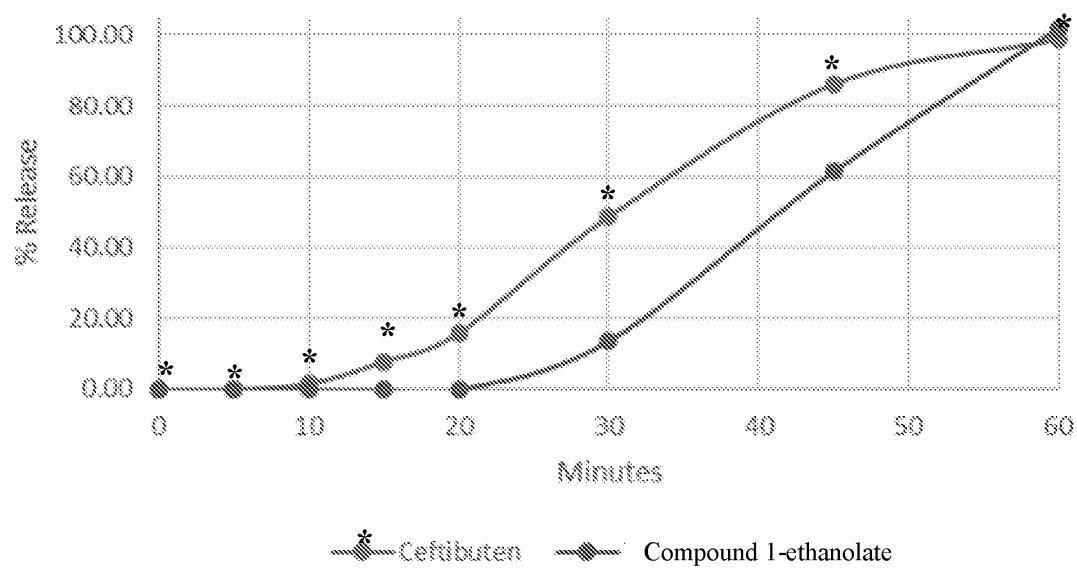
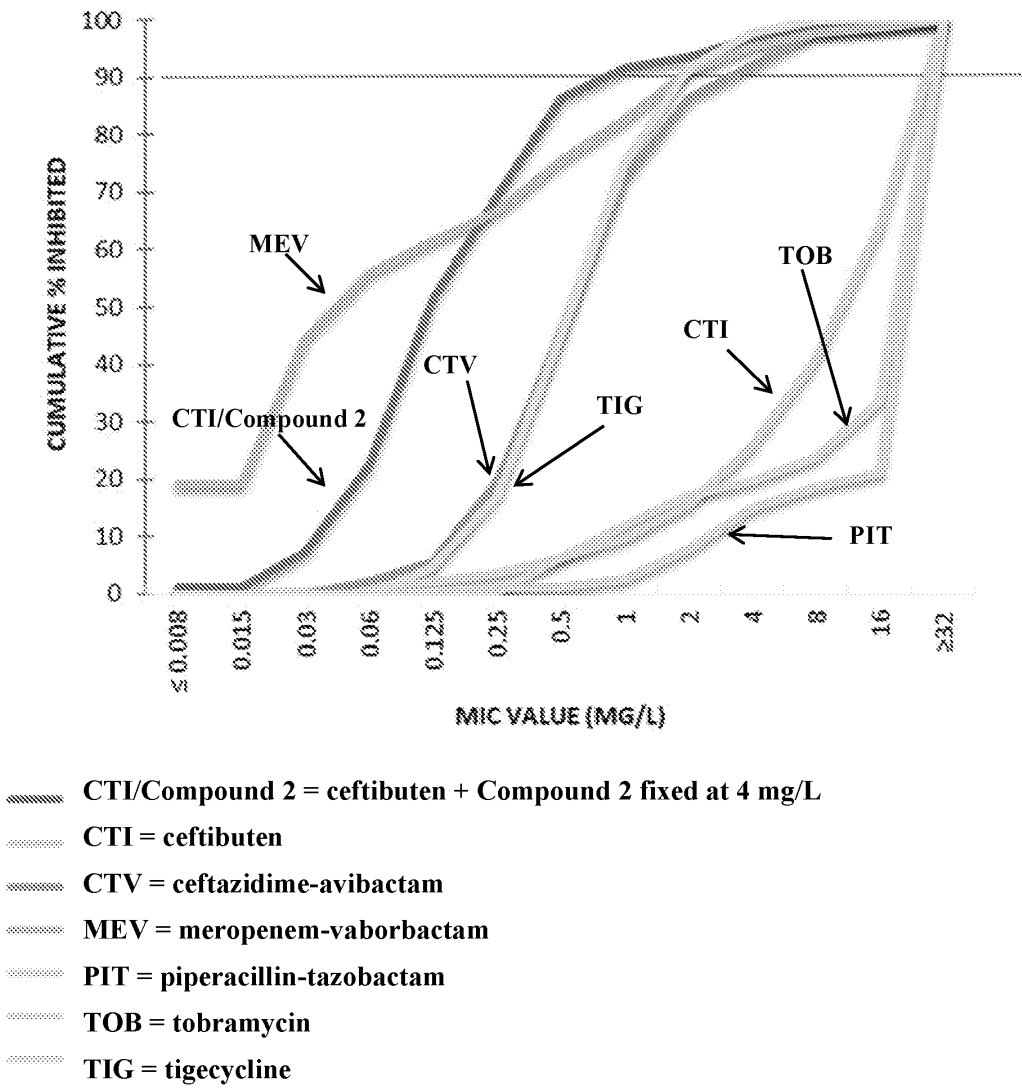
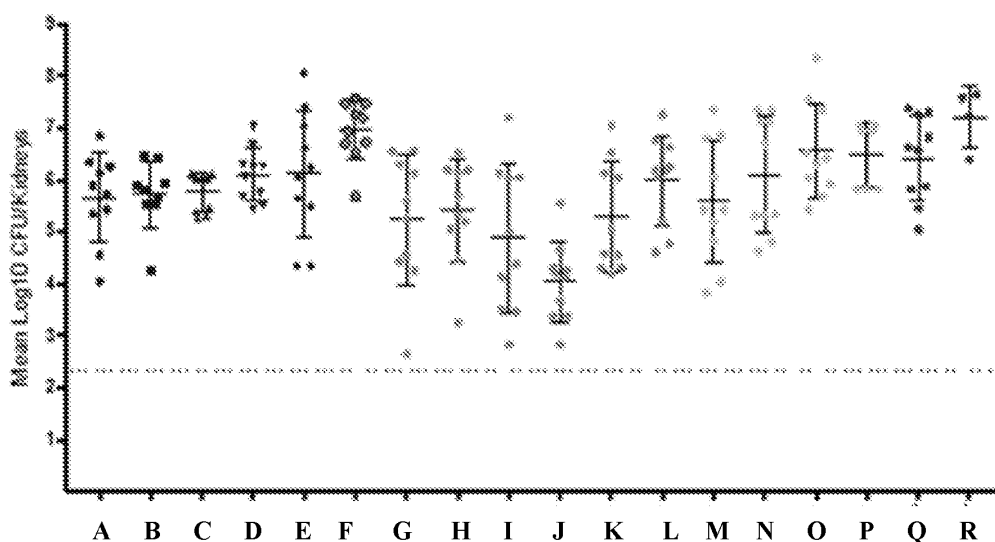


FIG. 4



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FIG. 5A

*E. coli* UNT057-1 (CTX-M-15); Kidneys

A = Ceftibuten – 300 mg/kg

B = Ceftibuten – 100 mg/kg

C = Ceftibuten – 30 mg/kg

D = Ceftibuten – 10 mg/kg

E = Ceftibuten – 3 mg/kg

F = Ceftibuten – 1 mg/kg

G = Ceftibuten:Compound 2, 1:1 (300 mg/kg:300 mg/kg)

H = Ceftibuten:Compound 2, 1:1 (100 mg/kg:100 mg/kg)

I = Ceftibuten:Compound 2, 1:1 (30 mg/kg:30 mg/kg)

J = Ceftibuten:Compound 2, 1:1 (10 mg/kg:10 mg/kg)

K = Ceftibuten:Compound 2, 1:1 (3 mg/kg:3 mg/kg)

L = Ceftibuten:Compound 2, 1:1 (1 mg/kg:1 mg/kg)

M = Amoxicillin:Clavulanate, 2:1 (300 mg/kg:150 mg/kg)

N = Amoxicillin:Clavulanate, 2:1 (100 mg/kg:50 mg/kg)

O = Amoxicillin:Clavulanate, 2:1 (30 mg/kg:15 mg/kg)

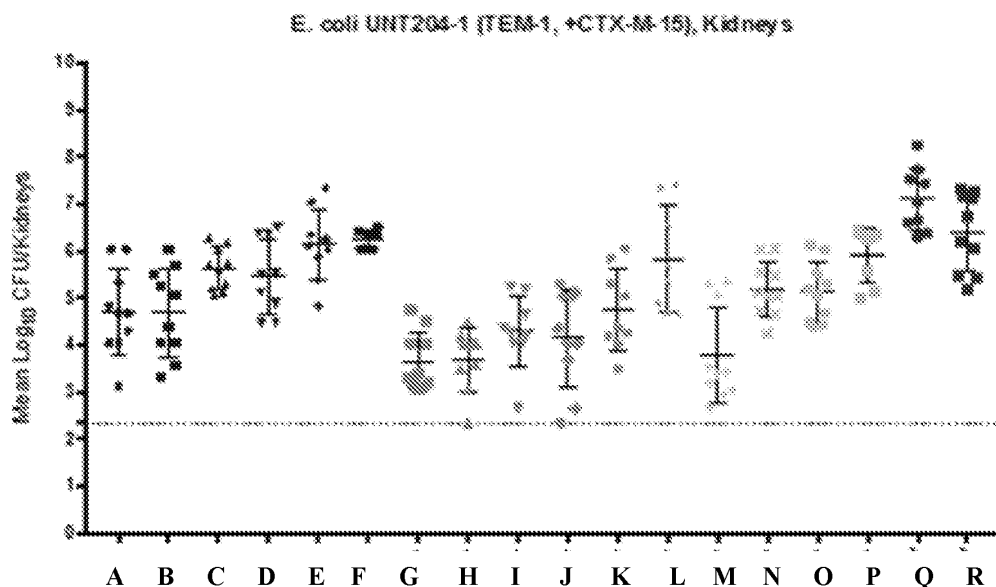
P = Amoxicillin:Clavulanate, 2:1 (10 mg/kg:5 mg/kg)

Q = 7 day control

R = 4 day control

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FIG. 5B



A = Cefibuten – 300 mg/kg

B = Cefibuten – 100 mg/kg

C = Cefibuten – 30 mg/kg

D = Cefibuten – 10 mg/kg

E = Cefibuten – 3 mg/kg

F = Cefibuten – 1 mg/kg

G = Cefibuten:Compound 2, 1:1 (300 mg/kg:300 mg/kg)

H = Cefibuten:Compound 2, 1:1 (100 mg/kg:100 mg/kg)

I = Cefibuten:Compound 2, 1:1 (30 mg/kg:30 mg/kg)

J = Cefibuten:Compound 2, 1:1 (10 mg/kg:10 mg/kg)

K = Cefibuten:Compound 2, 1:1 (3 mg/kg:3 mg/kg)

L = Cefibuten:Compound 2, 1:1 (1 mg/kg:1 mg/kg)

M = Amoxicillin:Clavulanate, 2:1 (300 mg/kg:150 mg/kg)

N = Amoxicillin:Clavulanate, 2:1 (100 mg/kg:50 mg/kg)

O = Amoxicillin:Clavulanate, 2:1 (30 mg/kg:15 mg/kg)

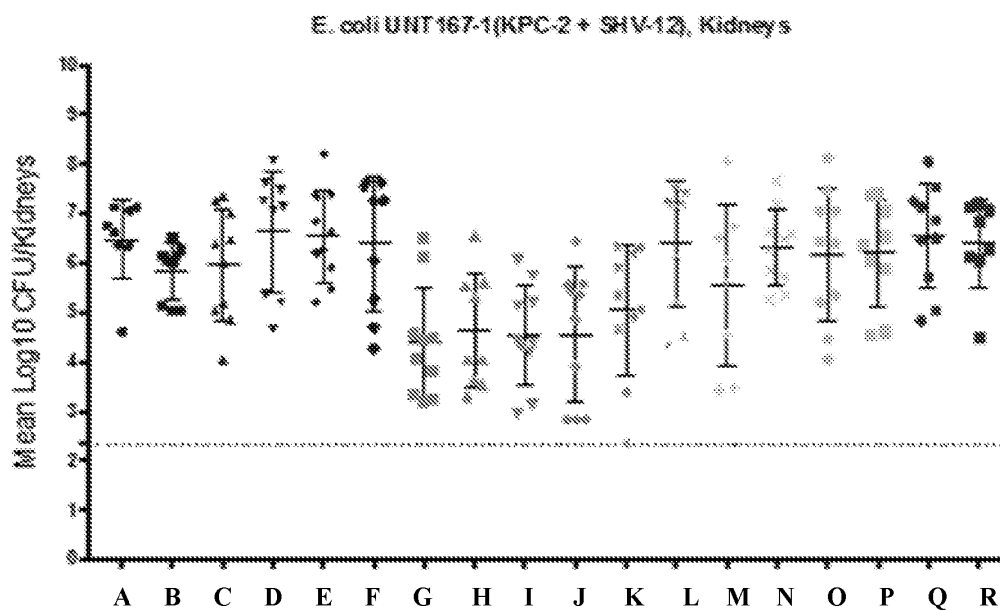
P = Amoxicillin:Clavulanate, 2:1 (10 mg/kg:5 mg/kg)

Q = 7 day control

R = 4 day control

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FIG. 5C



A = Ceftibuten – 300 mg/kg

B = Ceftibuten – 100 mg/kg

C = Ceftibuten – 30 mg/kg

D = Ceftibuten – 10 mg/kg

E = Ceftibuten – 3 mg/kg

F = Ceftibuten – 1 mg/kg

G = Ceftibuten:Compound 2, 1:1 (300 mg/kg:300 mg/kg)

H = Ceftibuten:Compound 2, 1:1 (100 mg/kg:100 mg/kg)

I = Ceftibuten:Compound 2, 1:1 (30 mg/kg:30 mg/kg)

J = Ceftibuten:Compound 2, 1:1 (10 mg/kg:10 mg/kg)

K = Ceftibuten:Compound 2, 1:1 (3 mg/kg:3 mg/kg)

L = Ceftibuten:Compound 2, 1:1 (1 mg/kg:1 mg/kg)

M = Amoxicillin:Clavulanate, 2:1 (300 mg/kg:150 mg/kg)

N = Amoxicillin:Clavulanate, 2:1 (100 mg/kg:50 mg/kg)

O = Amoxicillin:Clavulanate, 2:1 (30 mg/kg:15 mg/kg)

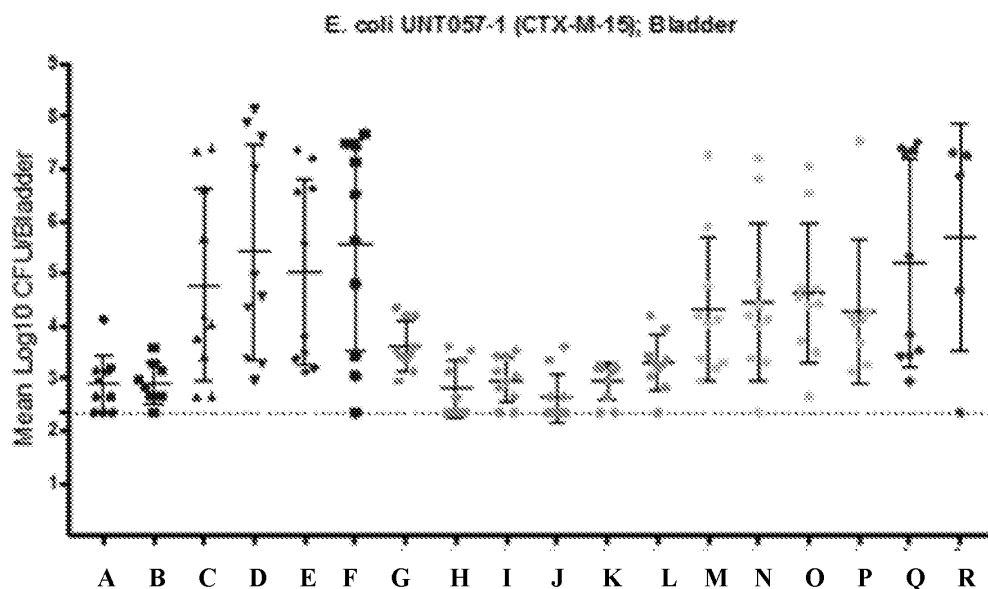
P = Amoxicillin:Clavulanate, 2:1 (10 mg/kg:5 mg/kg)

Q = 7 day control

R = 4 day control

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FIG. 6A



A = Ceftibuten – 300 mg/kg

B = Ceftibuten – 100 mg/kg

C = Ceftibuten – 30 mg/kg

D = Ceftibuten – 10 mg/kg

E = Ceftibuten – 3 mg/kg

F = Ceftibuten – 1 mg/kg

G = Ceftibuten:Compound 2, 1:1 (300 mg/kg:300 mg/kg)

H = Ceftibuten:Compound 2, 1:1 (100 mg/kg:100 mg/kg)

I = Ceftibuten:Compound 2, 1:1 (30 mg/kg:30 mg/kg)

J = Ceftibuten:Compound 2, 1:1 (10 mg/kg:10 mg/kg)

K = Ceftibuten:Compound 2, 1:1 (3 mg/kg:3 mg/kg)

L = Ceftibuten:Compound 2, 1:1 (1 mg/kg:1 mg/kg)

M = Amoxicillin:Clavulanate, 2:1 (300 mg/kg:150 mg/kg)

N = Amoxicillin:Clavulanate, 2:1 (100 mg/kg:50 mg/kg)

O = Amoxicillin:Clavulanate, 2:1 (30 mg/kg:15 mg/kg)

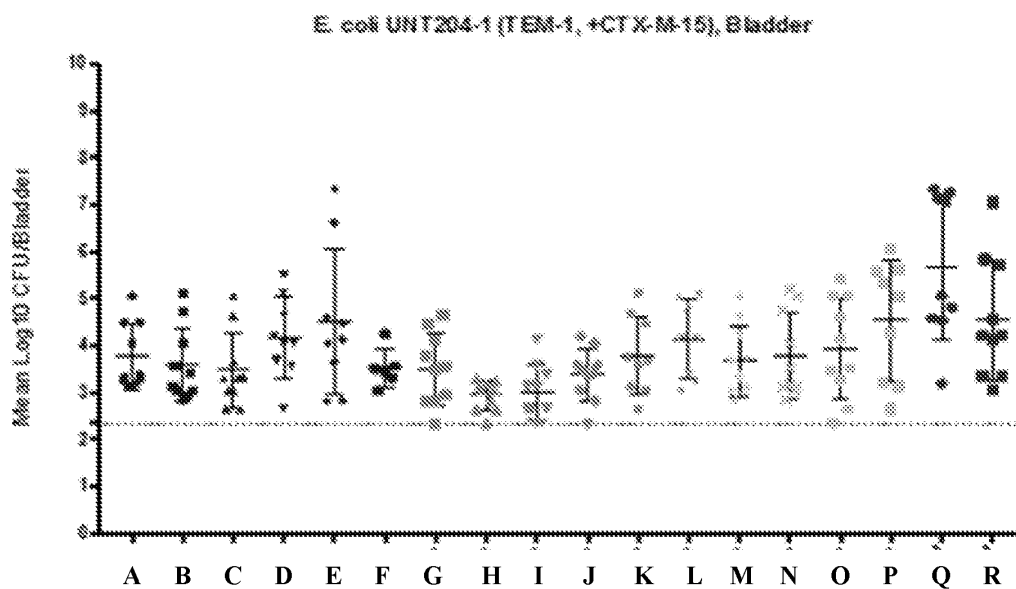
P = Amoxicillin:Clavulanate, 2:1 (10 mg/kg:5 mg/kg)

Q = 7 day control

R = 4 day control

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FIG. 6B



A = Ceftributen – 300 mg/kg

B = Ceftributen – 100 mg/kg

C = Ceftributen – 30 mg/kg

D = Ceftributen – 10 mg/kg

E = Ceftributen – 3 mg/kg

F = Ceftributen – 1 mg/kg

G = Ceftributen:Compound 2, 1:1 (300 mg/kg:300 mg/kg)

H = Ceftributen:Compound 2, 1:1 (100 mg/kg:100 mg/kg)

I = Ceftributen:Compound 2, 1:1 (30 mg/kg:30 mg/kg)

J = Ceftributen:Compound 2, 1:1 (10 mg/kg:10 mg/kg)

K = Ceftributen:Compound 2, 1:1 (3 mg/kg:3 mg/kg)

L = Ceftributen:Compound 2, 1:1 (1 mg/kg:1 mg/kg)

M = Amoxicillin:Clavulanate, 2:1 (300 mg/kg:150 mg/kg)

N = Amoxicillin:Clavulanate, 2:1 (100 mg/kg:50 mg/kg)

O = Amoxicillin:Clavulanate, 2:1 (30 mg/kg:15 mg/kg)

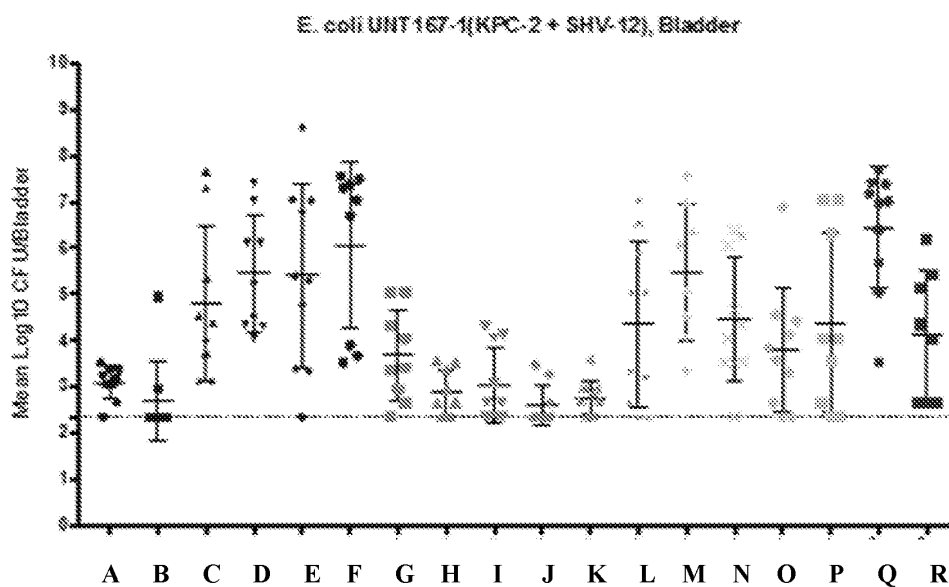
P = Amoxicillin:Clavulanate, 2:1 (10 mg/kg:5 mg/kg)

Q = 7 day control

R = 4 day control

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FIG. 6C



A = Ceftibuten – 300 mg/kg

B = Ceftibuten – 100 mg/kg

C = Ceftibuten – 30 mg/kg

D = Ceftibuten – 10 mg/kg

E = Ceftibuten – 3 mg/kg

F = Ceftibuten – 1 mg/kg

G = Ceftibuten:Compound 2, 1:1 (300 mg/kg:300 mg/kg)

H = Ceftibuten:Compound 2, 1:1 (100 mg/kg:100 mg/kg)

I = Ceftibuten:Compound 2, 1:1 (30 mg/kg:30 mg/kg)

J = Ceftibuten:Compound 2, 1:1 (10 mg/kg:10 mg/kg)

K = Ceftibuten:Compound 2, 1:1 (3 mg/kg:3 mg/kg)

L = Ceftibuten:Compound 2, 1:1 (1 mg/kg:1 mg/kg)

M = Amoxicillin:Clavulanate, 2:1 (300 mg/kg:150 mg/kg)

N = Amoxicillin:Clavulanate, 2:1 (100 mg/kg:50 mg/kg)

O = Amoxicillin:Clavulanate, 2:1 (30 mg/kg:15 mg/kg)

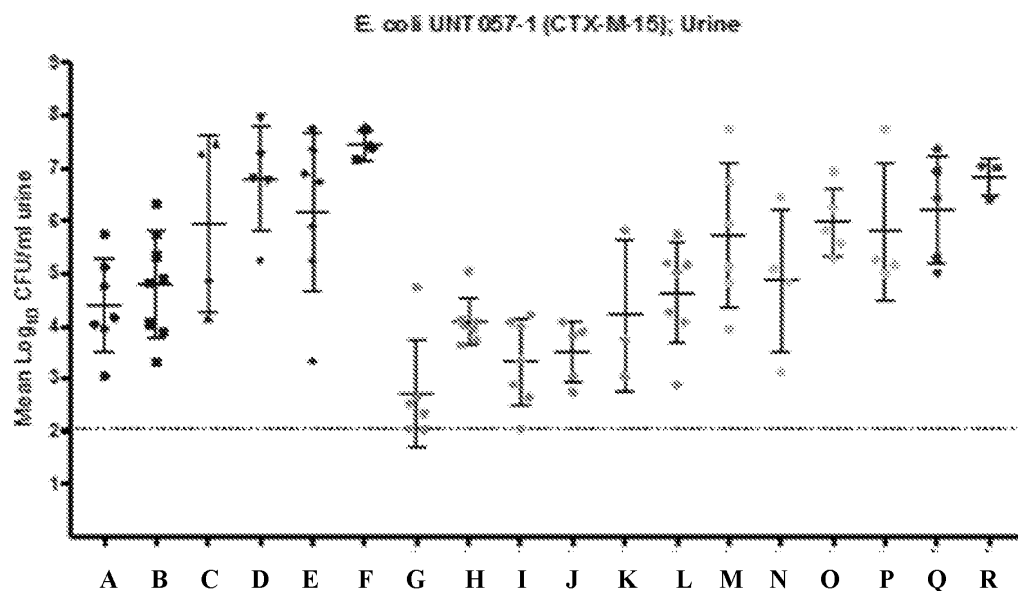
P = Amoxicillin:Clavulanate, 2:1 (10 mg/kg:5 mg/kg)

Q = 7 day control

R = 4 day control

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FIG. 7A



A = Ceftributen – 300 mg/kg

B = Ceftributen – 100 mg/kg

C = Ceftributen – 30 mg/kg

D = Ceftributen – 10 mg/kg

E = Ceftributen – 3 mg/kg

F = Ceftributen – 1 mg/kg

G = Ceftributen:Compound 2, 1:1 (300 mg/kg:300 mg/kg)

H = Ceftributen:Compound 2, 1:1 (100 mg/kg:100 mg/kg)

I = Ceftributen:Compound 2, 1:1 (30 mg/kg:30 mg/kg)

J = Ceftributen:Compound 2, 1:1 (10 mg/kg:10 mg/kg)

K = Ceftributen:Compound 2, 1:1 (3 mg/kg:3 mg/kg)

L = Ceftributen:Compound 2, 1:1 (1 mg/kg:1 mg/kg)

M = Amoxicillin:Clavulanate, 2:1 (300 mg/kg:150 mg/kg)

N = Amoxicillin:Clavulanate, 2:1 (100 mg/kg:50 mg/kg)

O = Amoxicillin:Clavulanate, 2:1 (30 mg/kg:15 mg/kg)

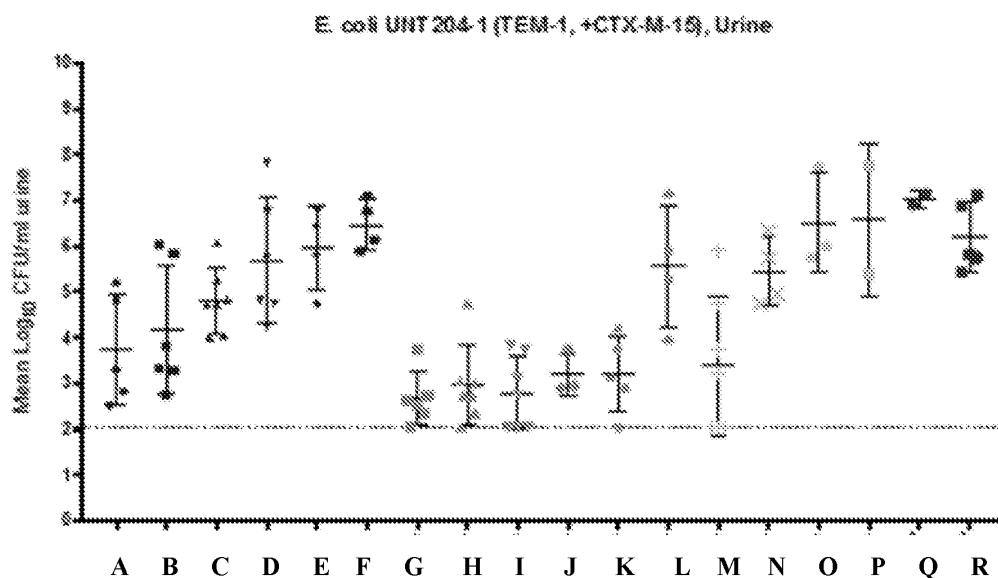
P = Amoxicillin:Clavulanate, 2:1 (10 mg/kg:5 mg/kg)

Q = 7 day control

R = 4 day control

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FIG. 7B



A = Ceftibuten – 300 mg/kg

B = Ceftibuten – 100 mg/kg

C = Ceftibuten – 30 mg/kg

D = Ceftibuten – 10 mg/kg

E = Ceftibuten – 3 mg/kg

F = Ceftibuten – 1 mg/kg

G = Ceftibuten:Compound 2, 1:1 (300 mg/kg:300 mg/kg)

H = Ceftibuten:Compound 2, 1:1 (100 mg/kg:100 mg/kg)

I = Ceftibuten:Compound 2, 1:1 (30 mg/kg:30 mg/kg)

J = Ceftibuten:Compound 2, 1:1 (10 mg/kg:10 mg/kg)

K = Ceftibuten:Compound 2, 1:1 (3 mg/kg:3 mg/kg)

L = Ceftibuten:Compound 2, 1:1 (1 mg/kg:1 mg/kg)

M = Amoxicillin:Clavulanate, 2:1 (300 mg/kg:150 mg/kg)

N = Amoxicillin:Clavulanate, 2:1 (100 mg/kg:50 mg/kg)

O = Amoxicillin:Clavulanate, 2:1 (30 mg/kg:15 mg/kg)

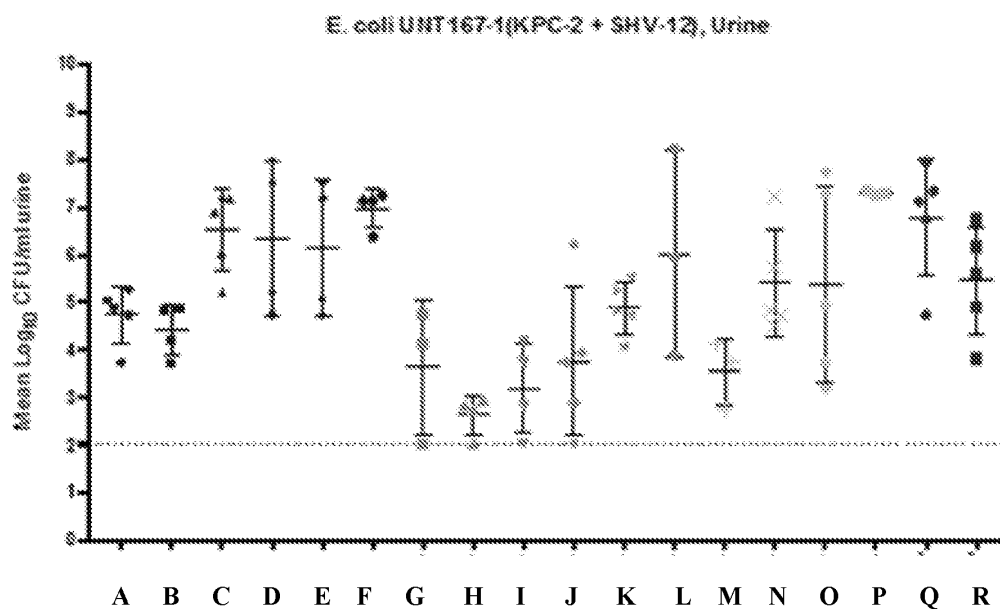
P = Amoxicillin:Clavulanate, 2:1 (10 mg/kg:5 mg/kg)

Q = 7 day control

R = 4 day control

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FIG. 7C



A = Ceftributen – 300 mg/kg

B = Ceftributen – 100 mg/kg

C = Ceftributen – 30 mg/kg

D = Ceftributen – 10 mg/kg

E = Ceftributen – 3 mg/kg

F = Ceftributen – 1 mg/kg

G = Ceftributen:Compound 2, 1:1 (300 mg/kg:300 mg/kg)

H = Ceftributen:Compound 2, 1:1 (100 mg/kg:100 mg/kg)

I = Ceftributen:Compound 2, 1:1 (30 mg/kg:30 mg/kg)

J = Ceftributen:Compound 2, 1:1 (10 mg/kg:10 mg/kg)

K = Ceftributen:Compound 2, 1:1 (3 mg/kg:3 mg/kg)

L = Ceftributen:Compound 2, 1:1 (1 mg/kg:1 mg/kg)

M = Amoxicillin:Clavulanate, 2:1 (300 mg/kg:150 mg/kg)

N = Amoxicillin:Clavulanate, 2:1 (100 mg/kg:50 mg/kg)

O = Amoxicillin:Clavulanate, 2:1 (30 mg/kg:15 mg/kg)

P = Amoxicillin:Clavulanate, 2:1 (10 mg/kg:5 mg/kg)

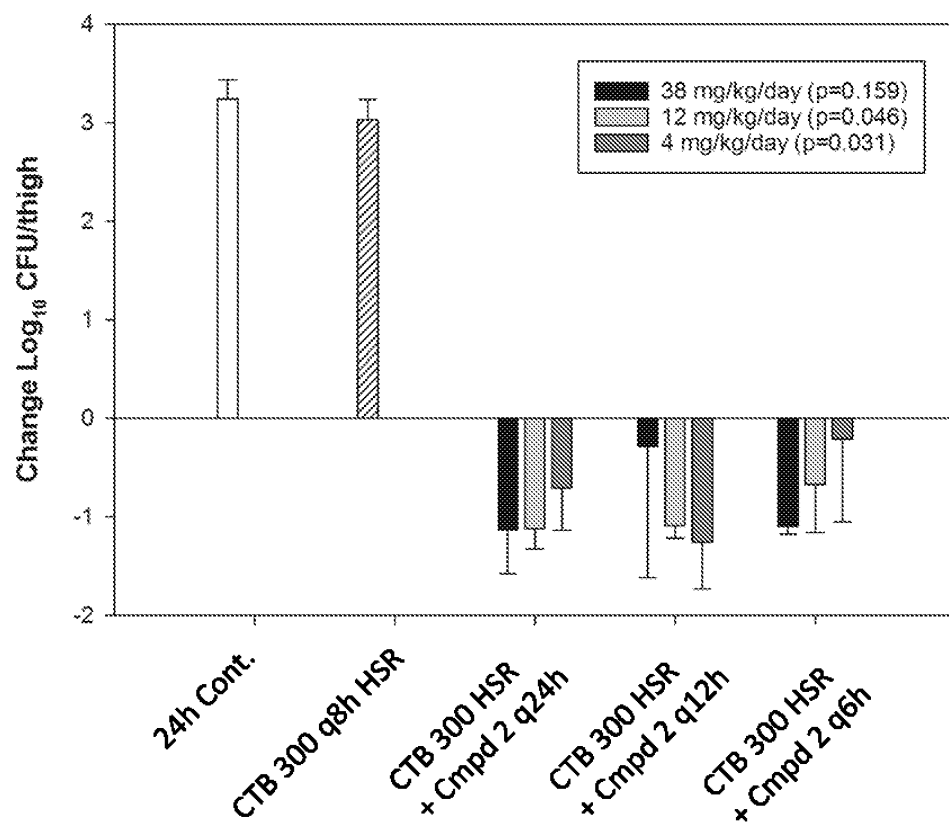
Q = 7 day control

R = 4 day control

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FIG. 8

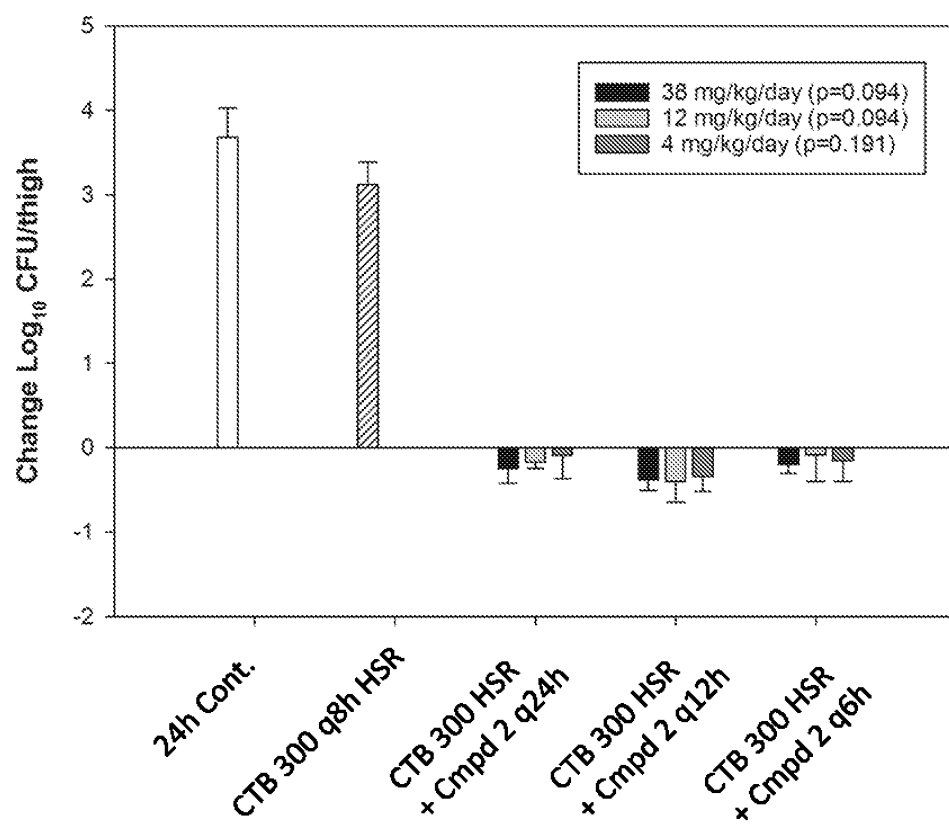
EC 617



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FIG. 9

EC C11-23



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FIG. 10

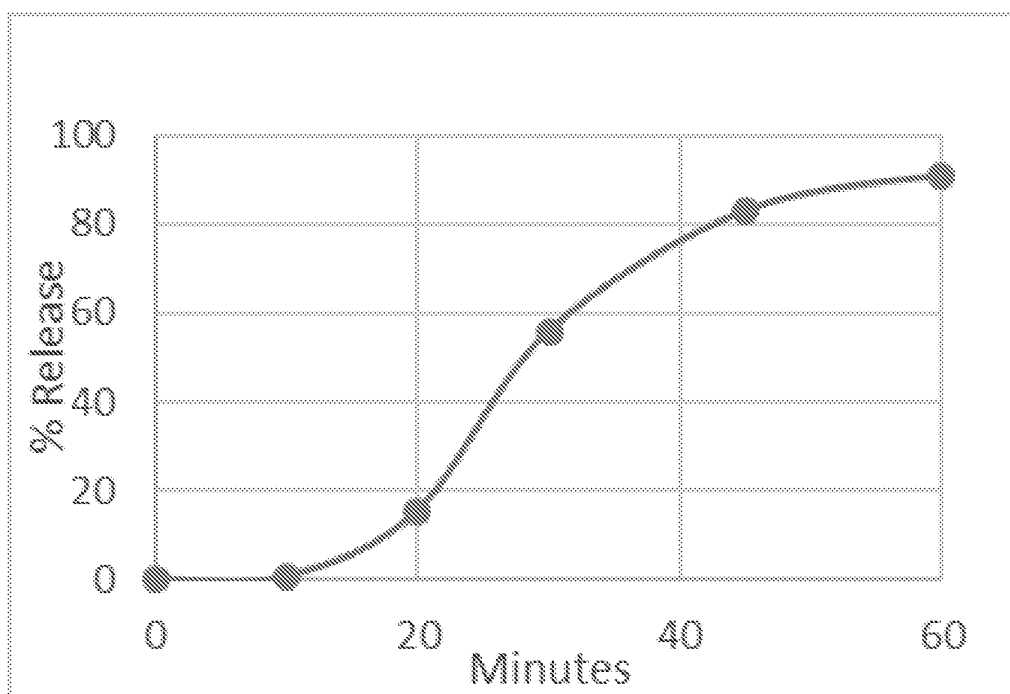


FIG. 11

