

FIG. 1A

Compound 1

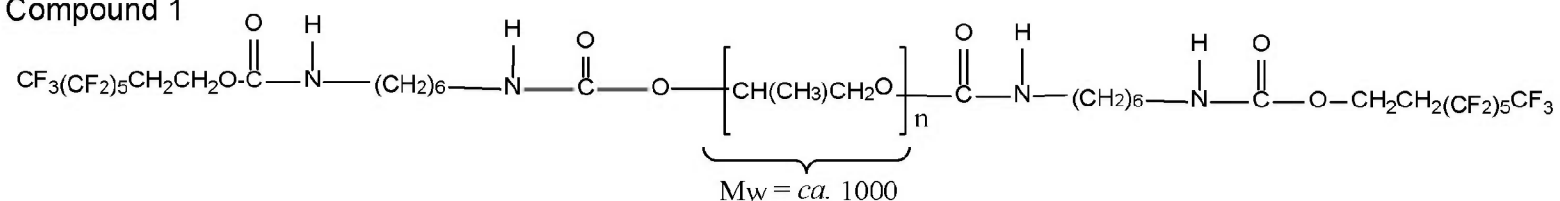
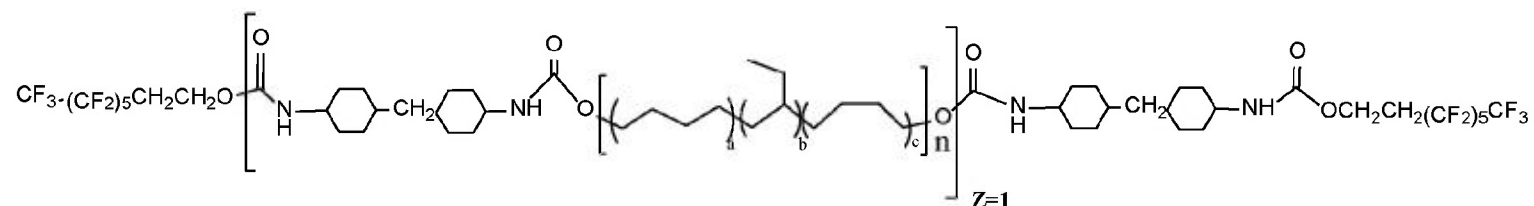


FIG. 1B

Compound 2



1/64

FIG. 1C

Compound 3

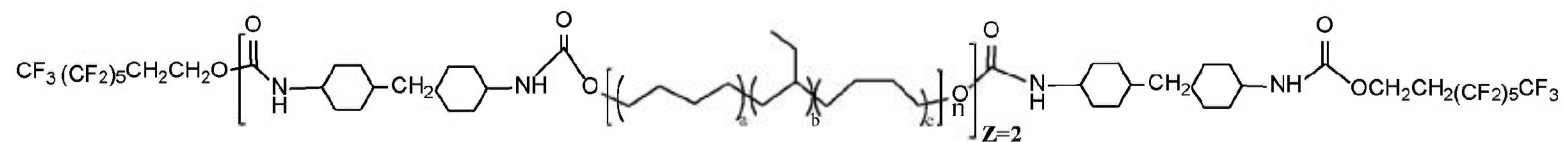


FIG. 1D
Compound 4

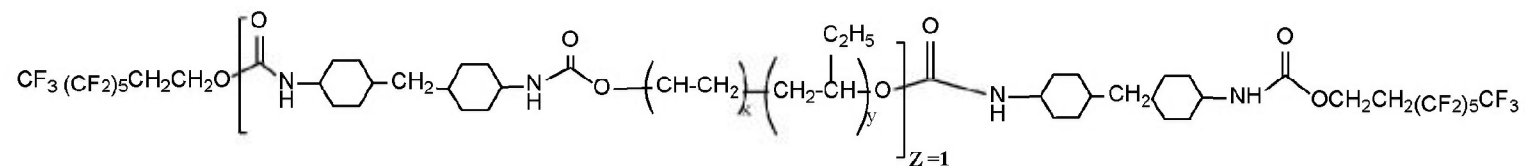


FIG. 1E
Compound 5

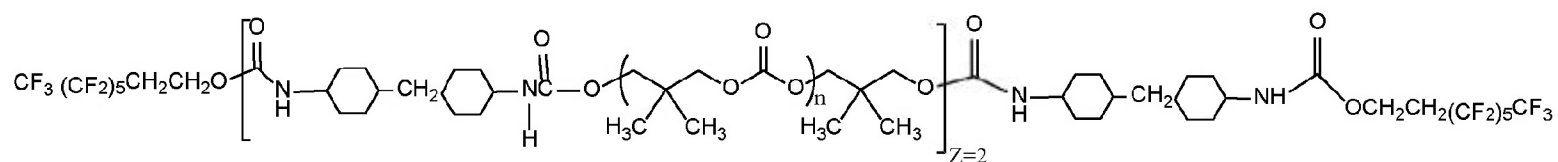


FIG. 1F
Compound 6

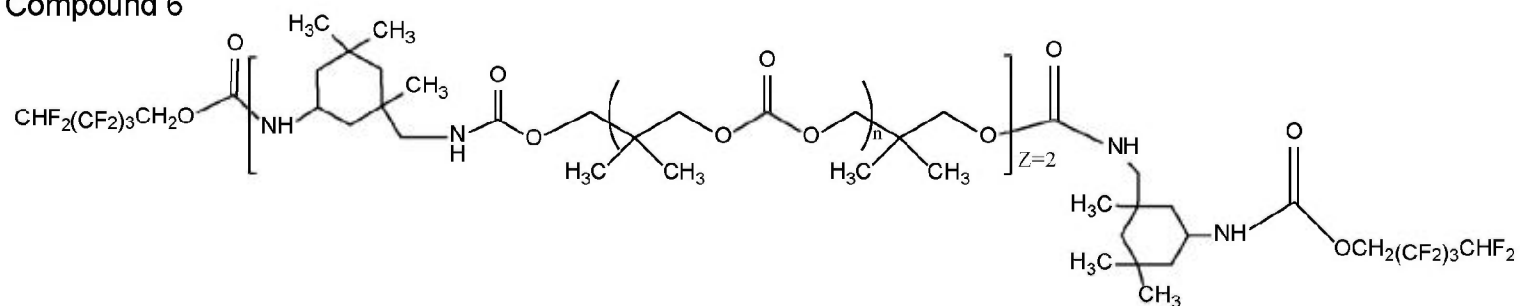


FIG. 1G
Compound 7

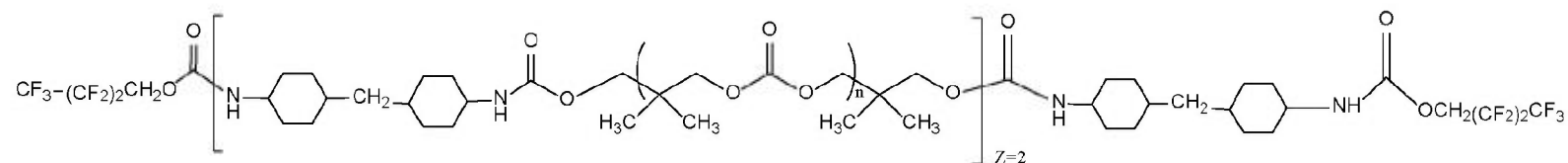


FIG. 2A
Compound 8

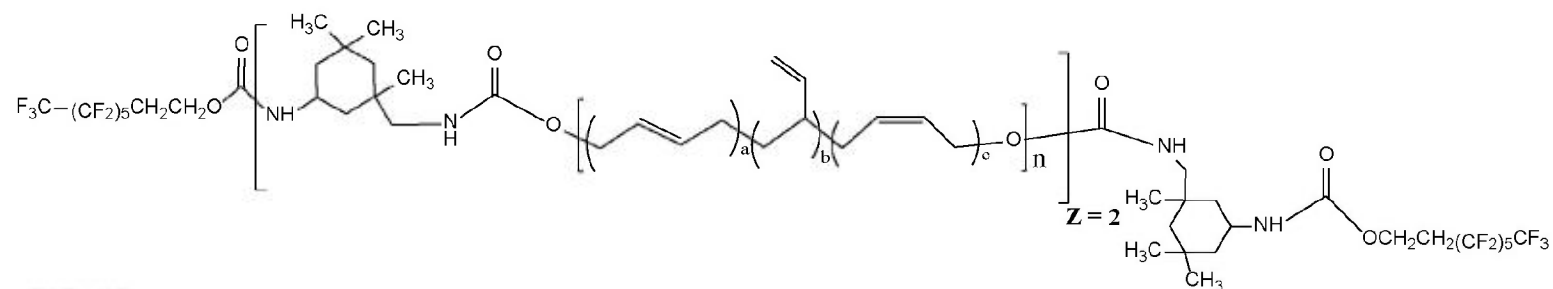


FIG. 2B
Compound 9

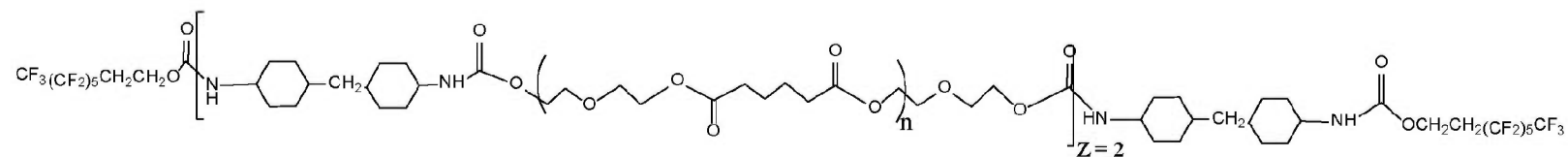


FIG. 2E
Compound 12

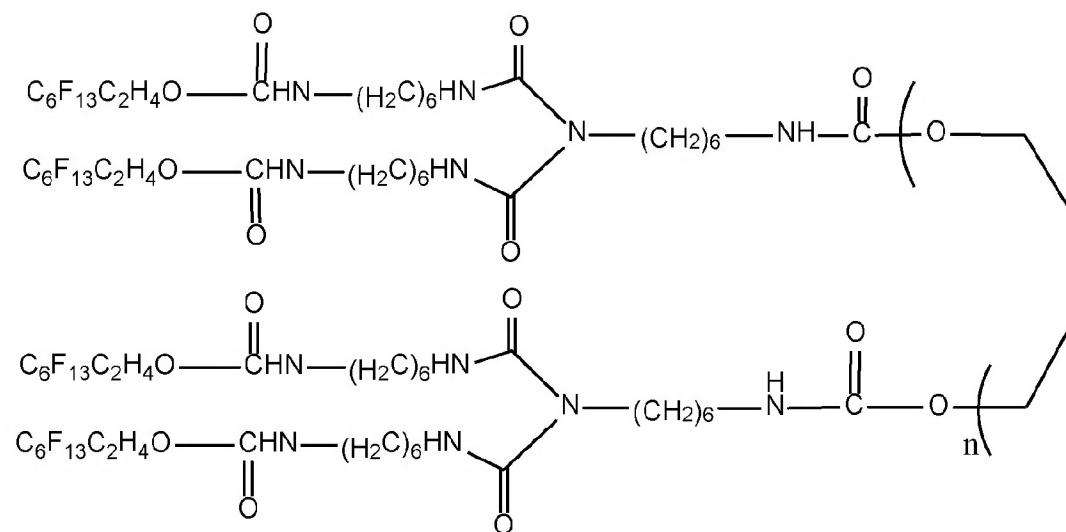


FIG. 3A
Compound 13

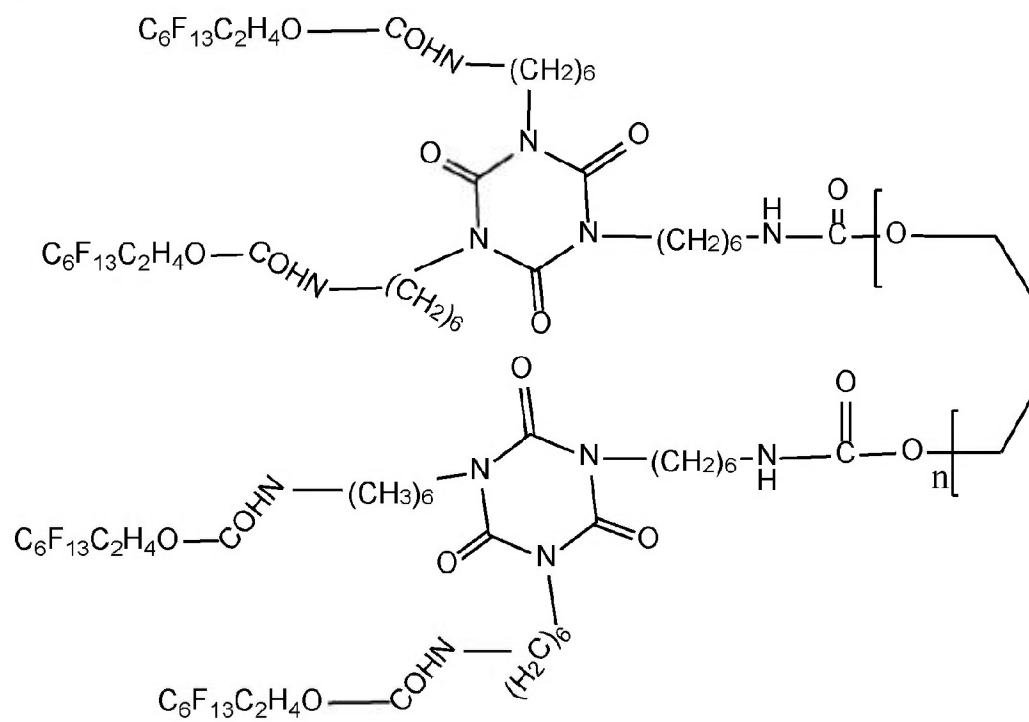


FIG. 3B
Compound 14

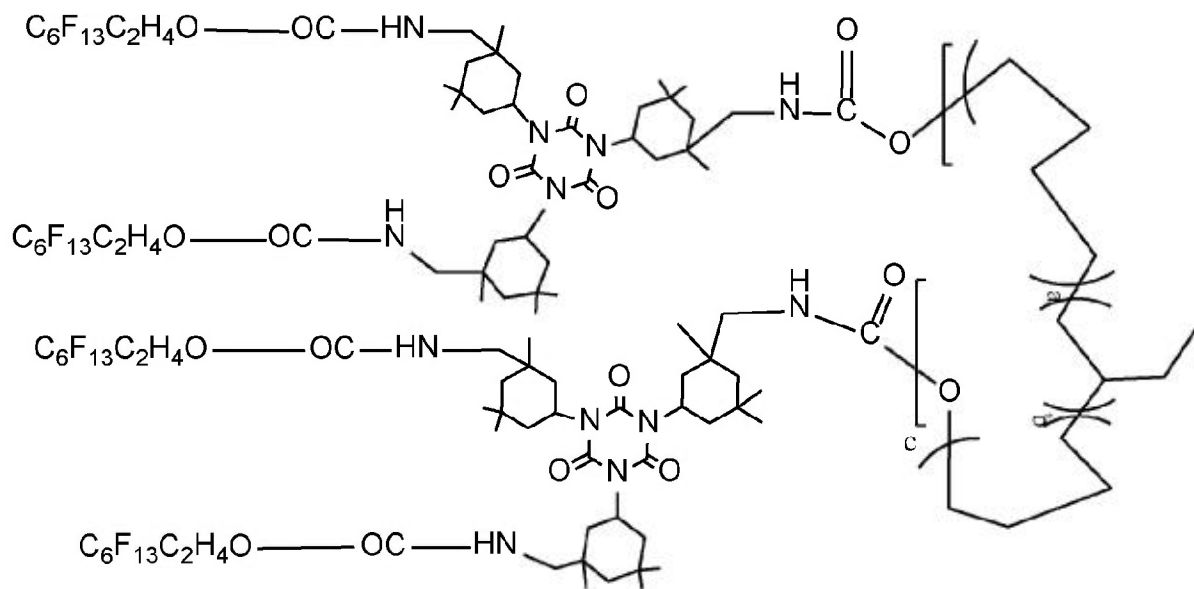


FIG. 3C
Compound 15

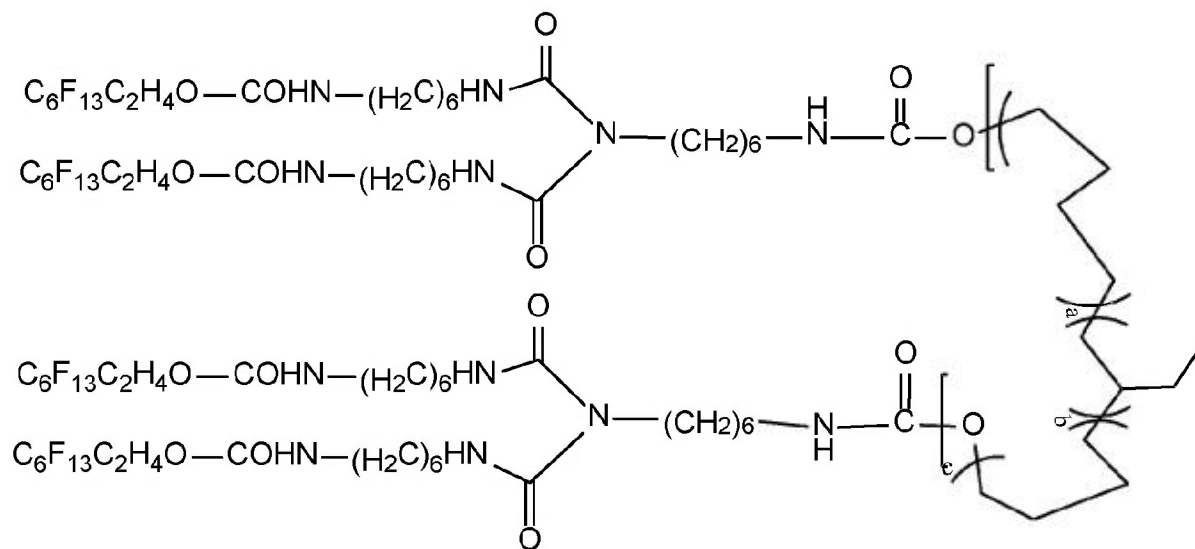


FIG. 4A
Compound 16

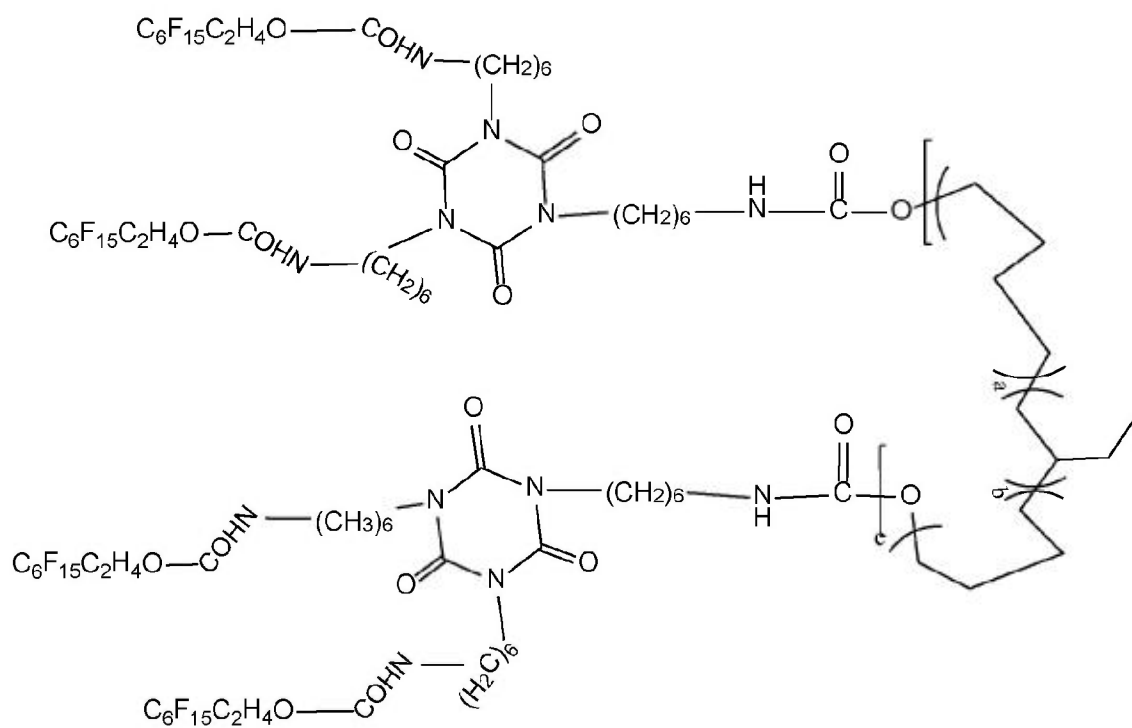


FIG. 4B
Compound 17

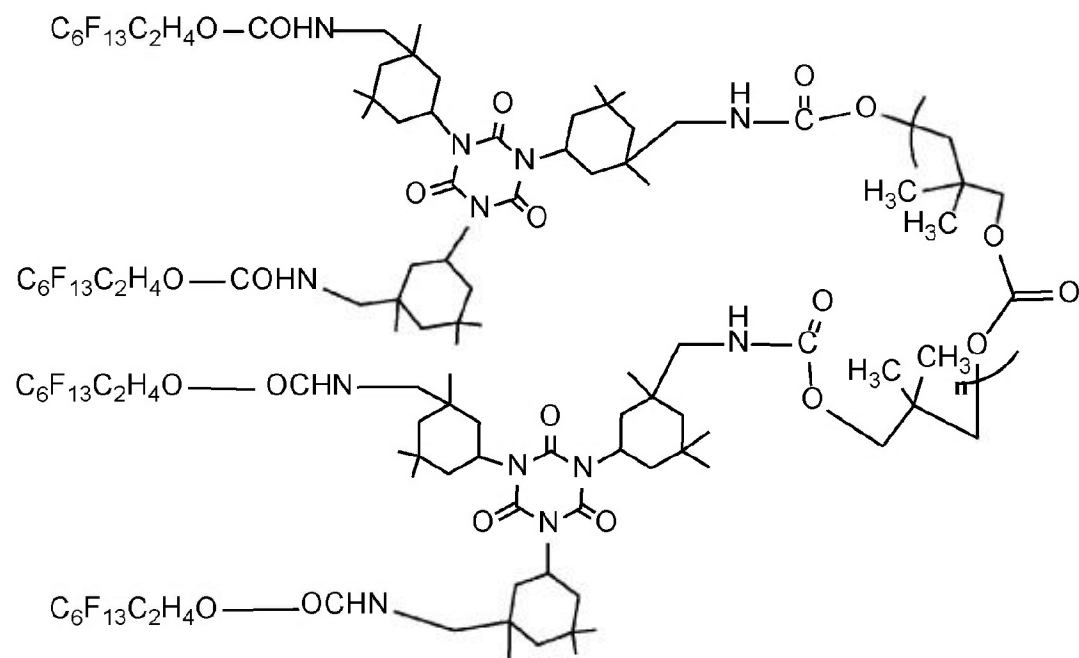


FIG. 4C
Compound 18

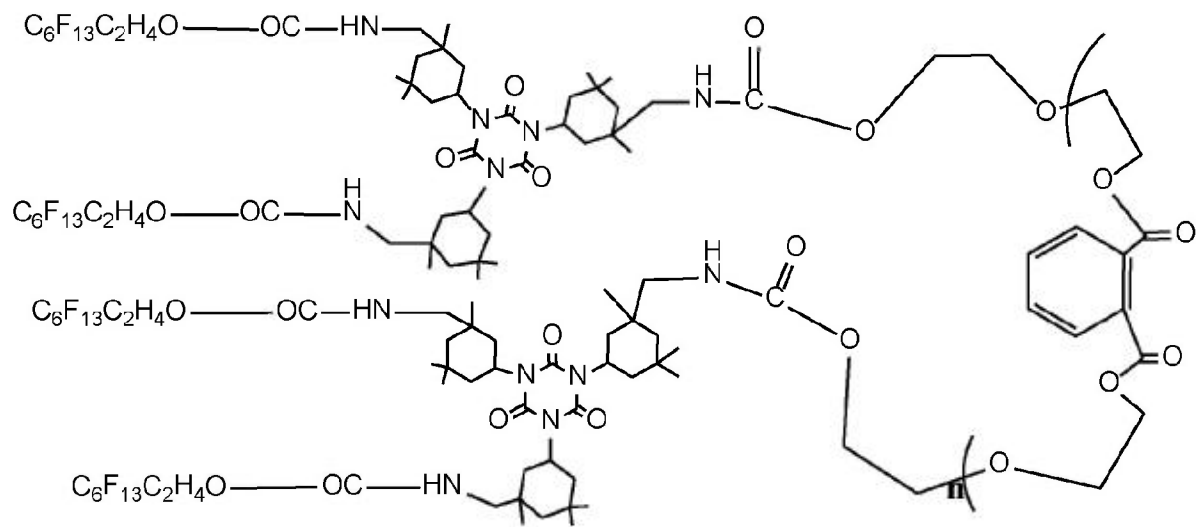


FIG. 5A
Compound 19

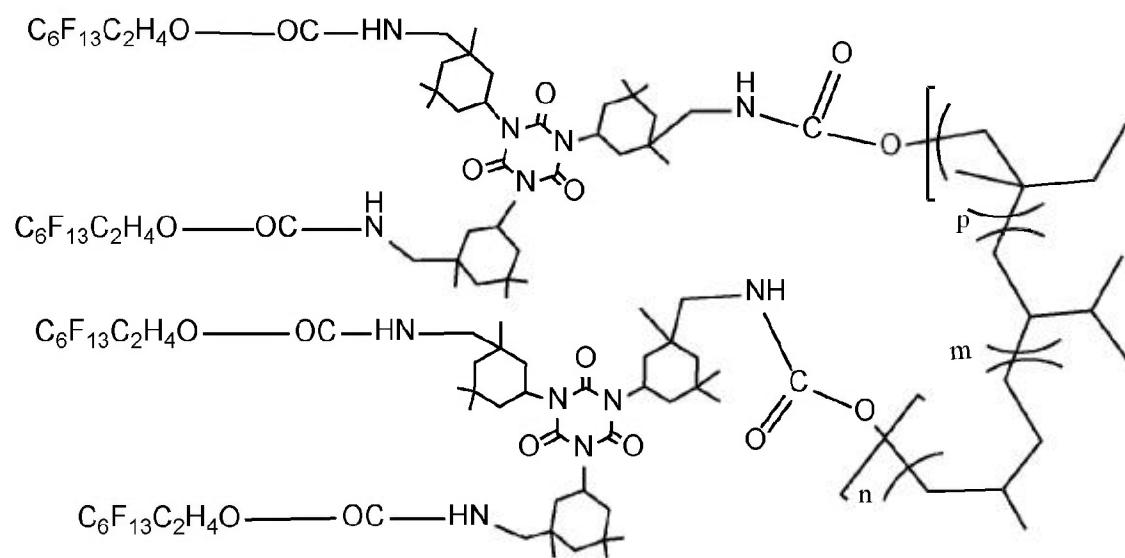


FIG. 5B
Compound 20

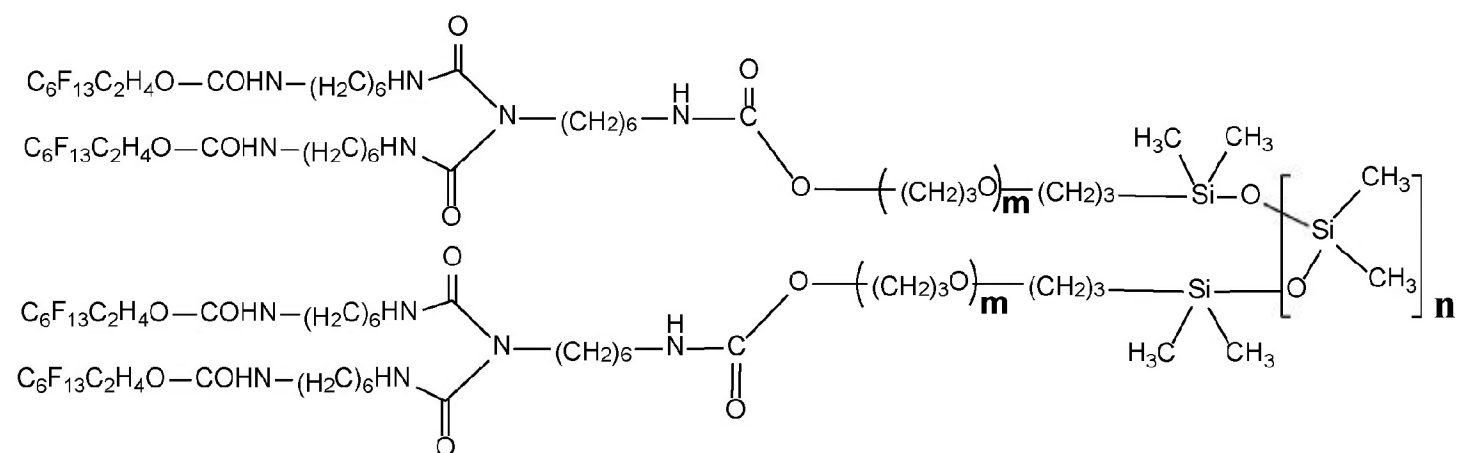


FIG. 5C
Compound 21

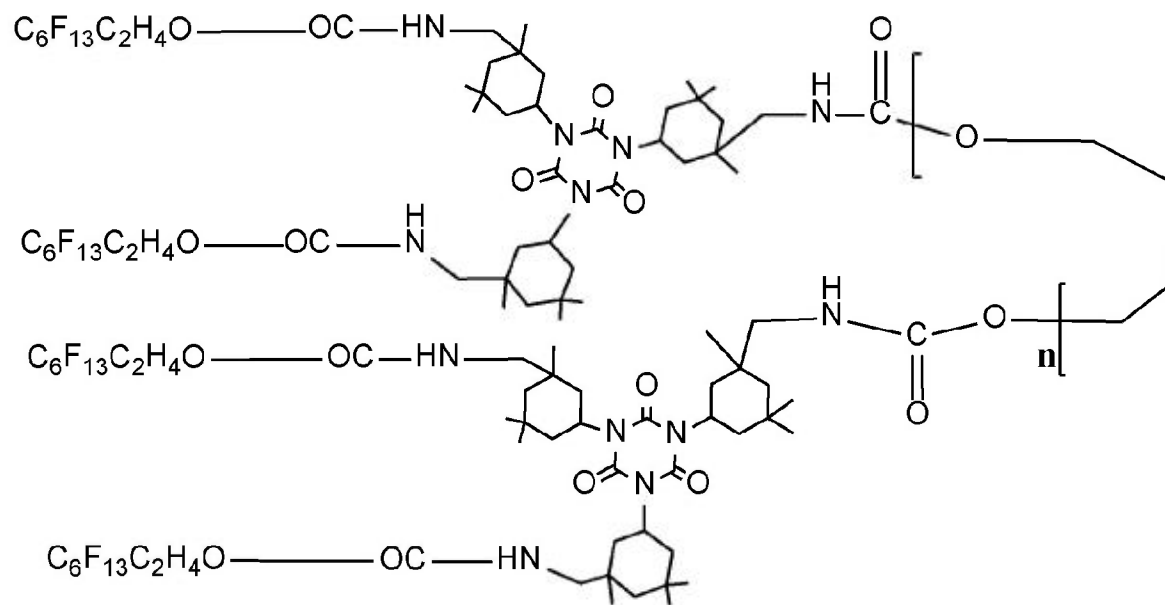
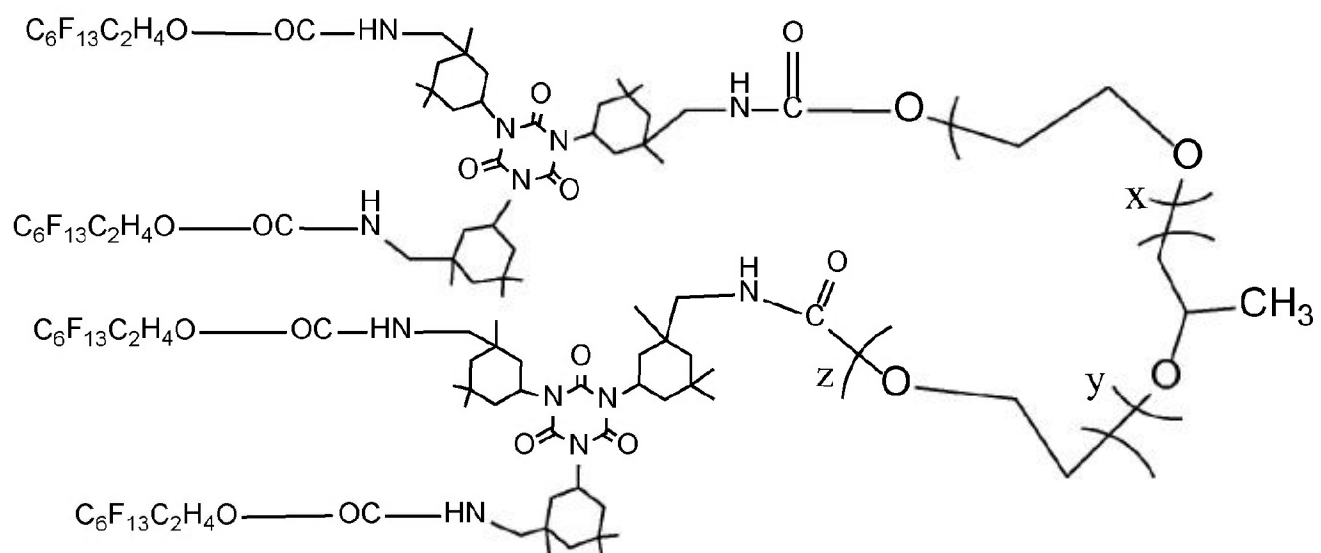
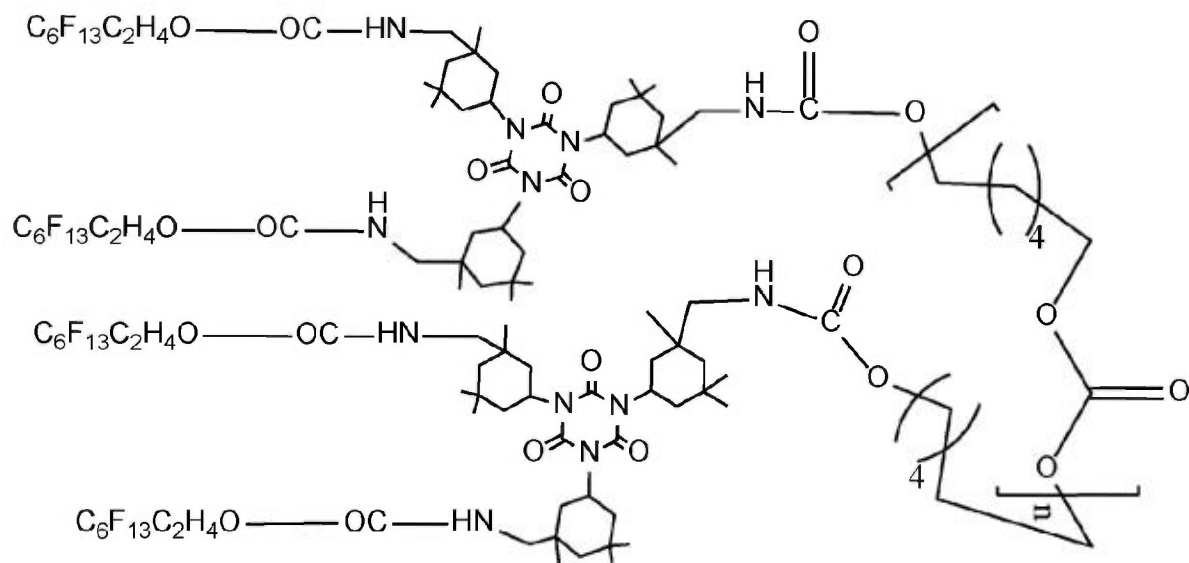


FIG. 6A
Compound 22



16/64

FIG. 6B
Compound 23



17/64

FIG. 6C
Compound 24

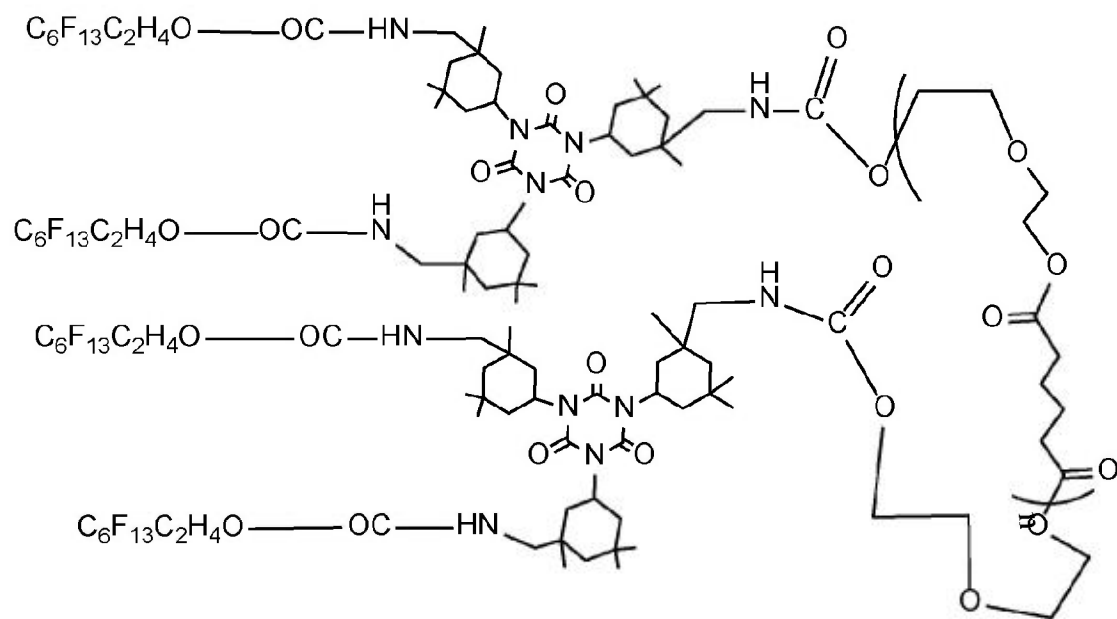


FIG. 7A
Compound 25

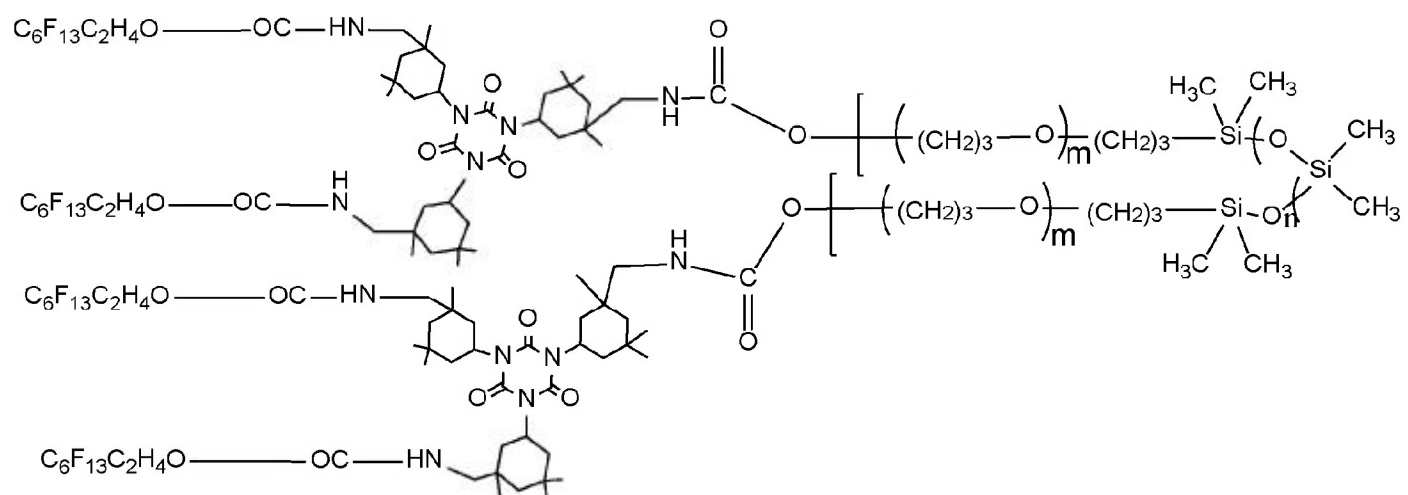


FIG. 7B
Compound 26

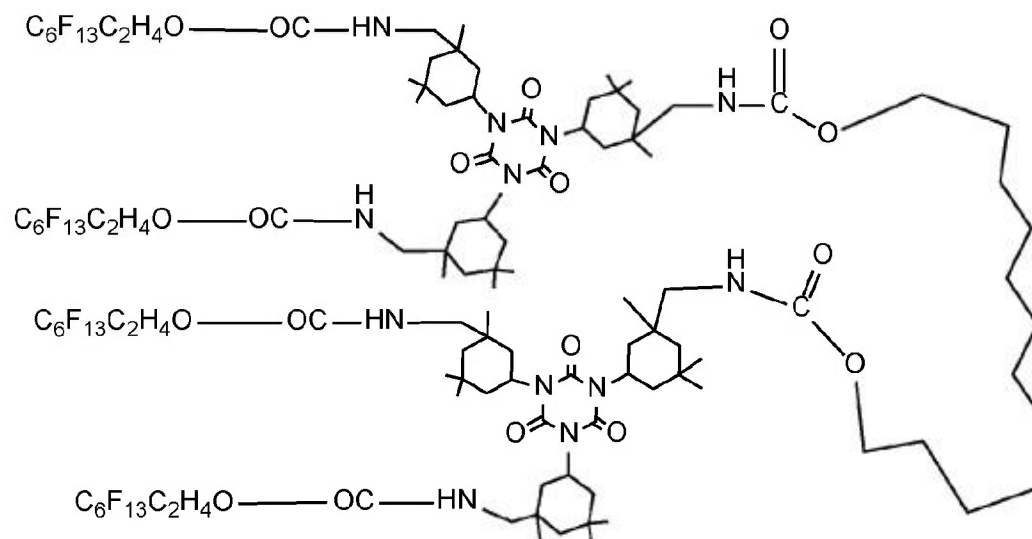


FIG. 7C
Compound 27 ($m = 25$)

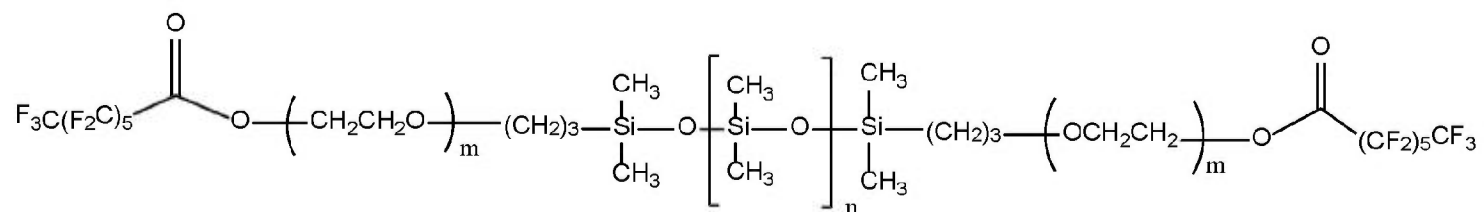


FIG. 8A
Compound 28

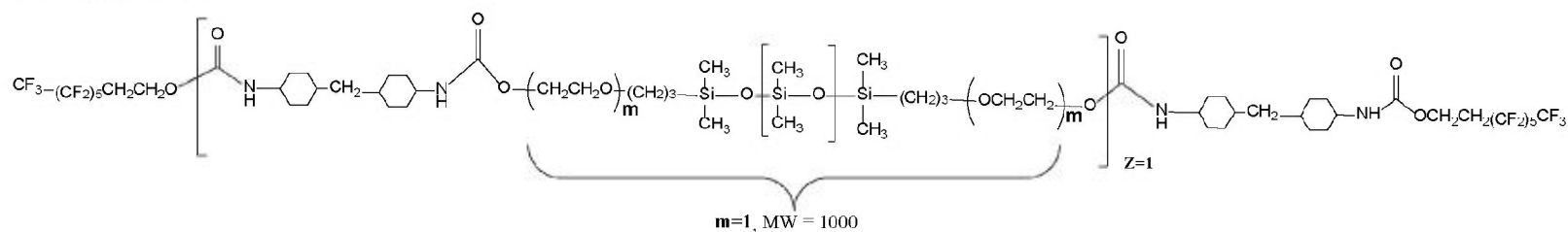
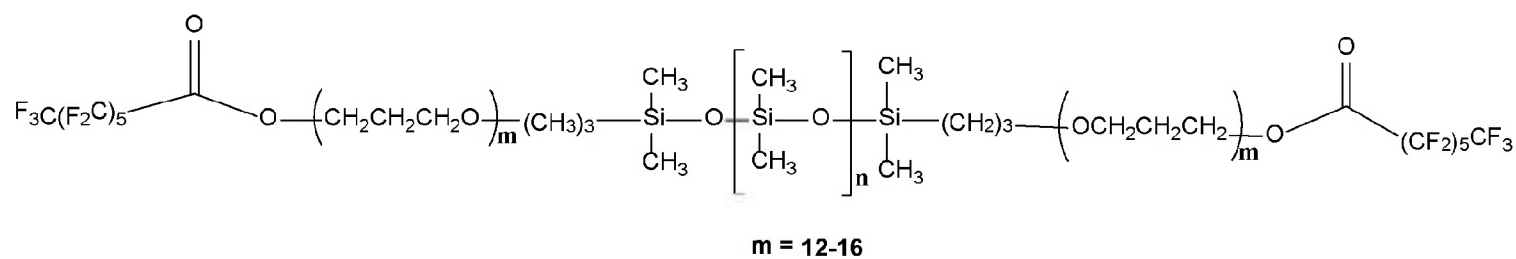


FIG. 8B
Compound 29



20/64

FIG. 8C
Compound 30

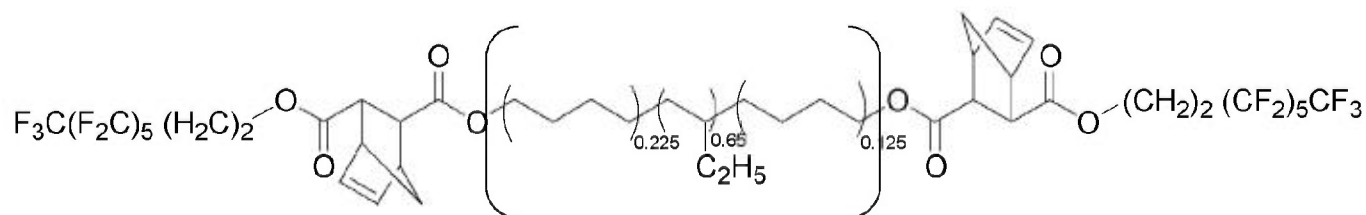


FIG. 8D
Compound 31

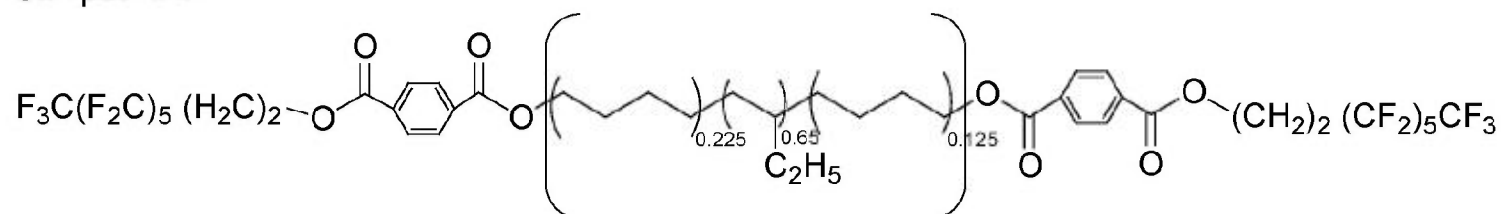


FIG. 9A
Compound 32

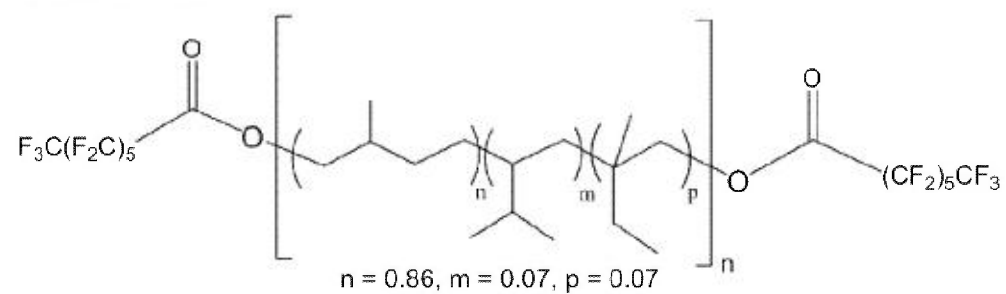


FIG. 9B
Compound 33

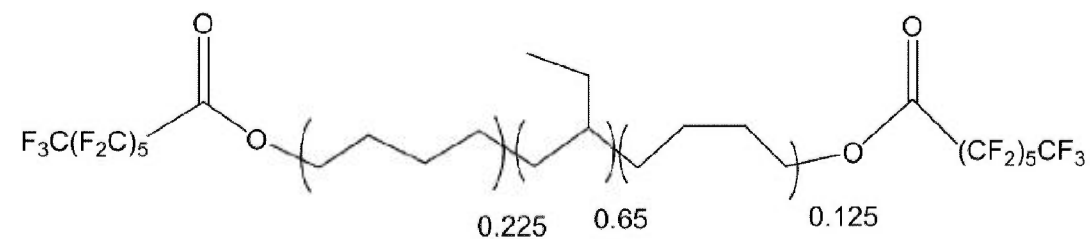


FIG. 9C
Compound 34

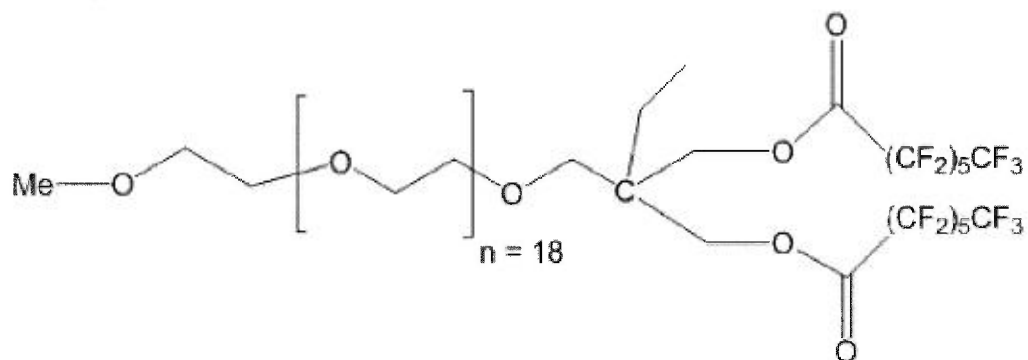


FIG. 9D
Compound 35

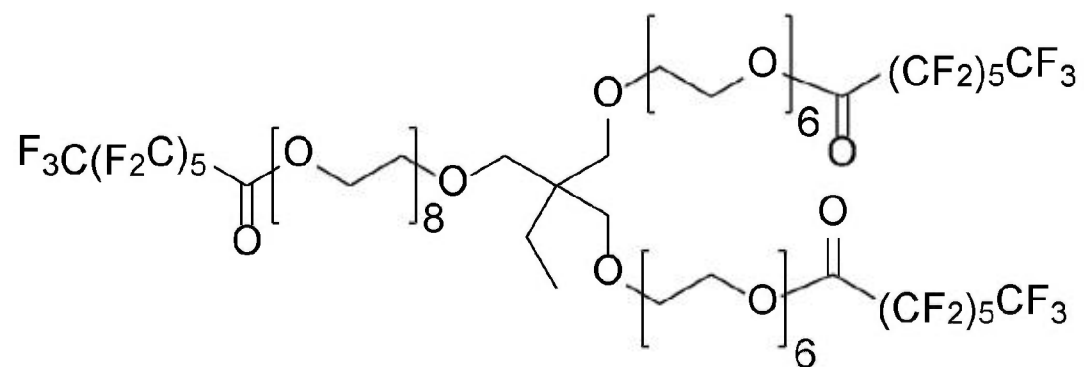


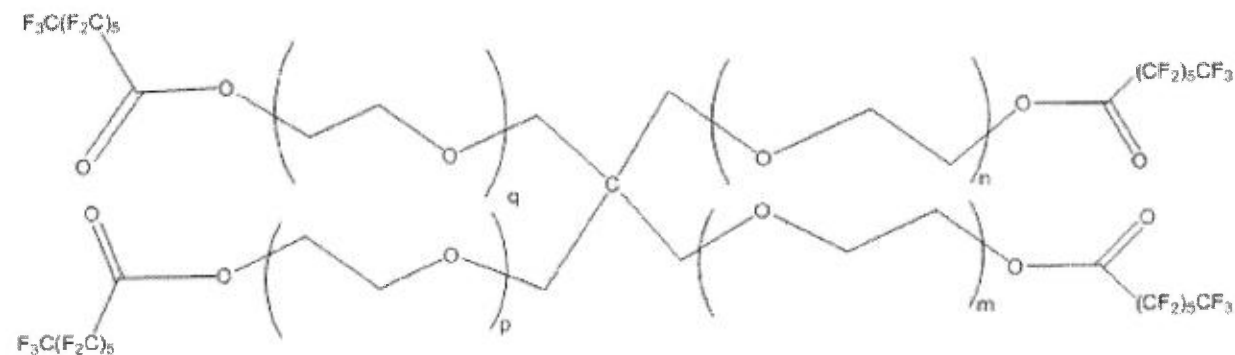
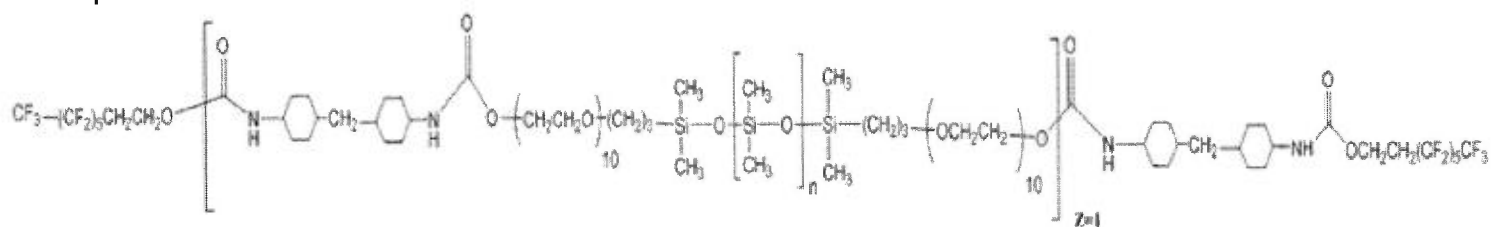
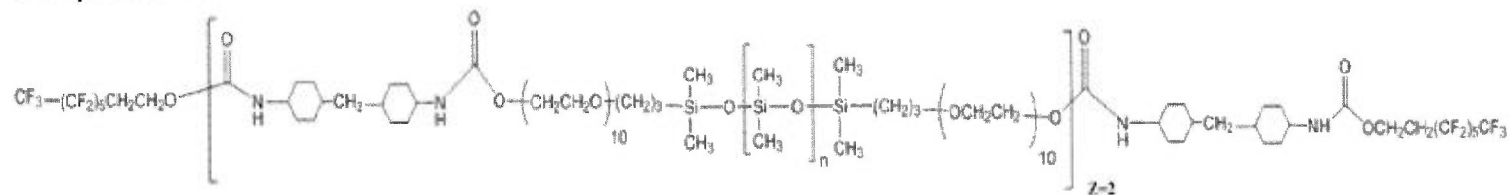
FIG. 10A
Compound 36FIG. 10B
Compound 37FIG. 10C
Compound 38

FIG. 10D

Compound 39

MW of the diol = 8000 Da, PEG = 80%, PPG = 20%

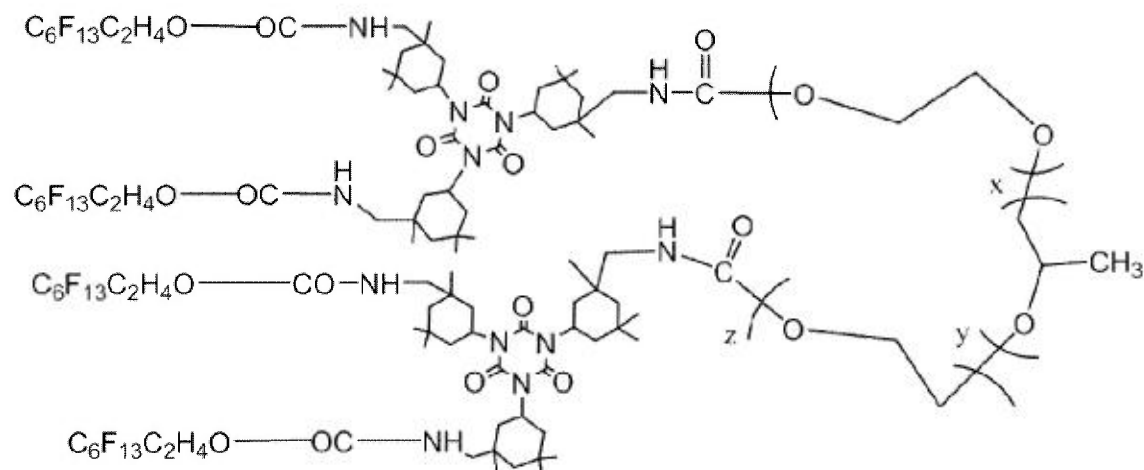


FIG. 11A

Compound 40

MW of the diol = 8000 Da, PEG = 80%, PPG = 20%

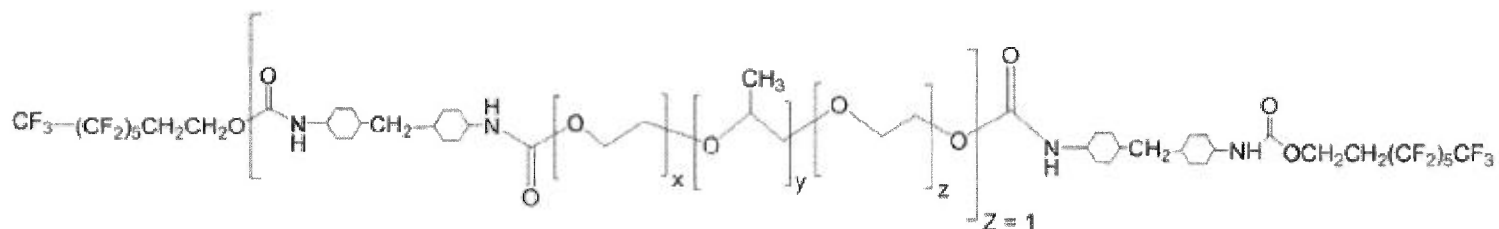


FIG. 11B
Compound 42

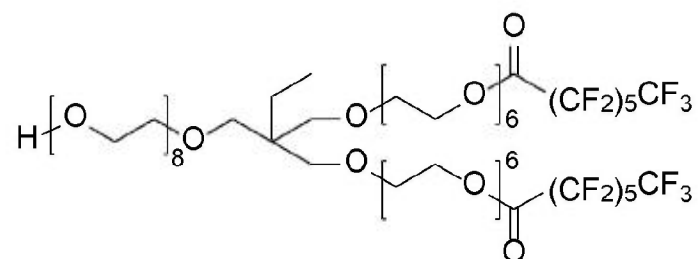


FIG. 11C
Compound 43
MW of triol = 1,000 Da

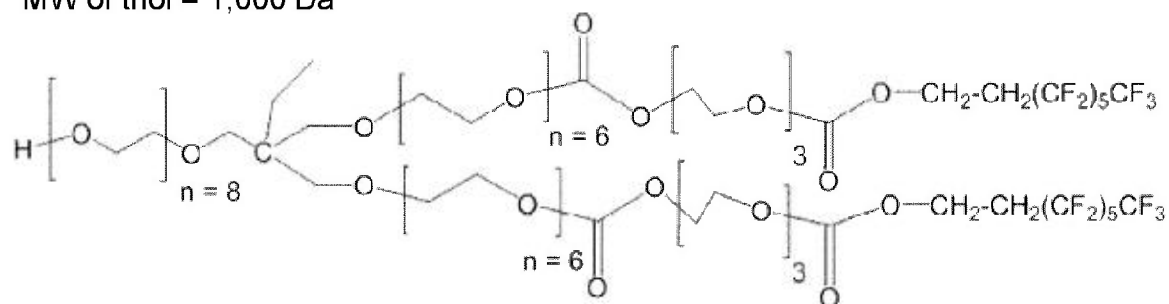


FIG. 11D
Compound 44

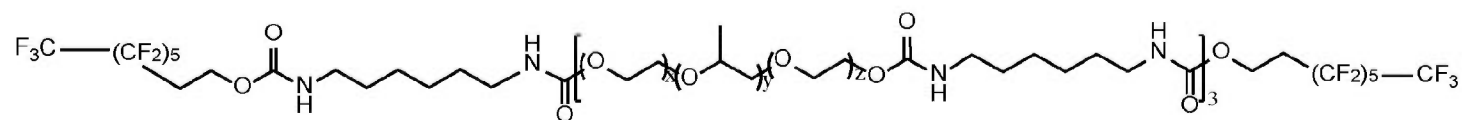


FIG. 12A
Compound 45

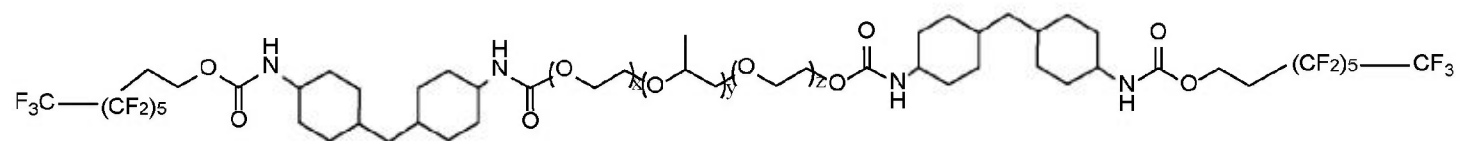


FIG. 12B
Compound 46
MW of diol = 1,000 Da

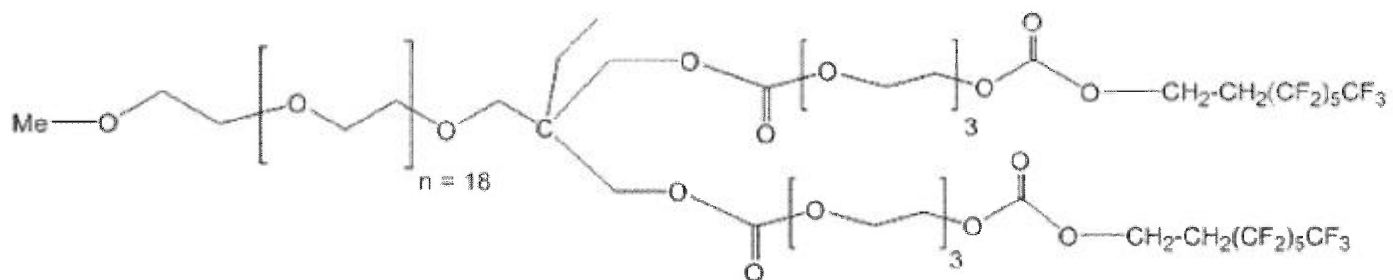


FIG. 12C

Compound 47

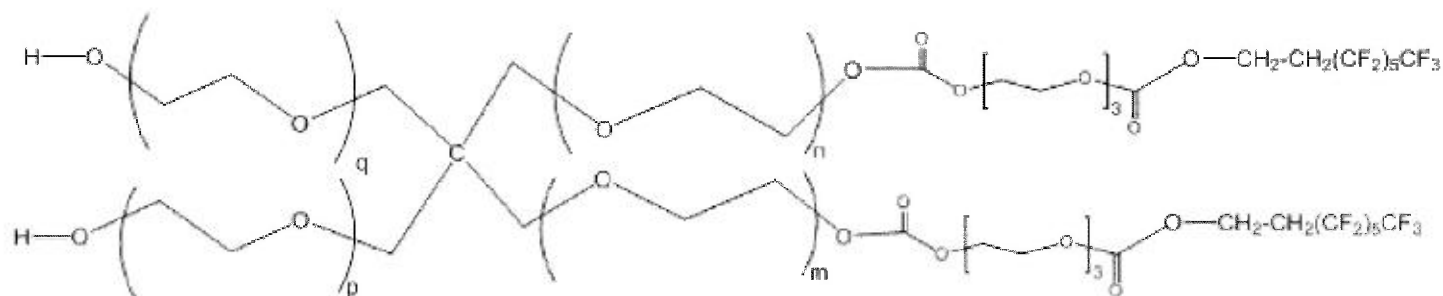
MW of tetraol = 796 Da; $q = 4$, $p = 4$, $n = 4$, $m = 3$ 

FIG. 12D

Compound 48

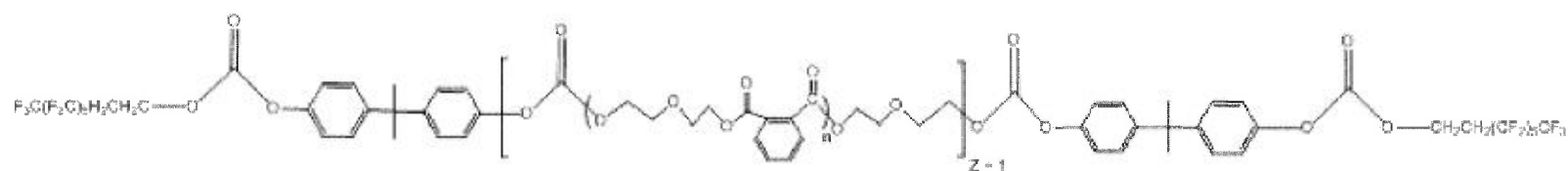
MW of diol = 2,000 Da; $n = 8-9$ 

FIG. 12E
Compound 49
MW of diol = 2,500 Da
m = 10, n = 7-8

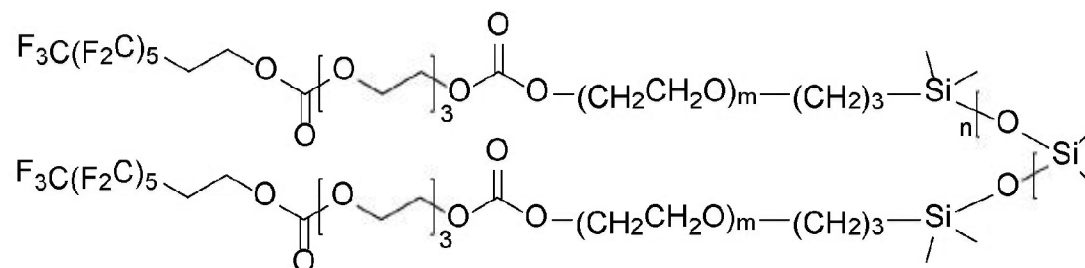


FIG. 13A
Compound 50
MW of diol = 4,940 Da; X = Z = 25, Y = 50

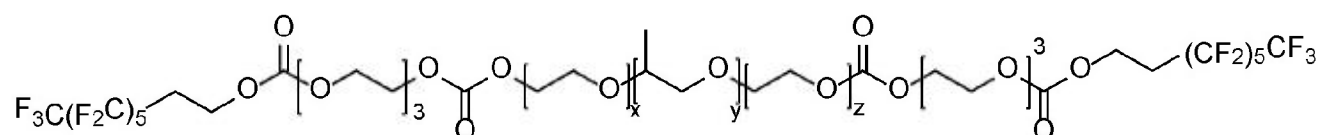


FIG. 13B
Compound 51
MW of diol = 8,000 Da; X = Z = 40, Y = 20

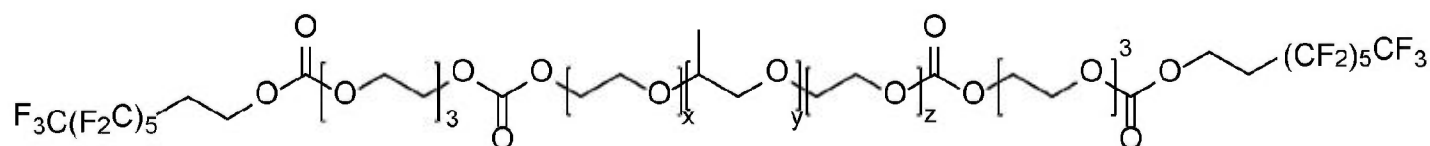


FIG. 13C

Compound 52

MW of diol = 4,940 Da

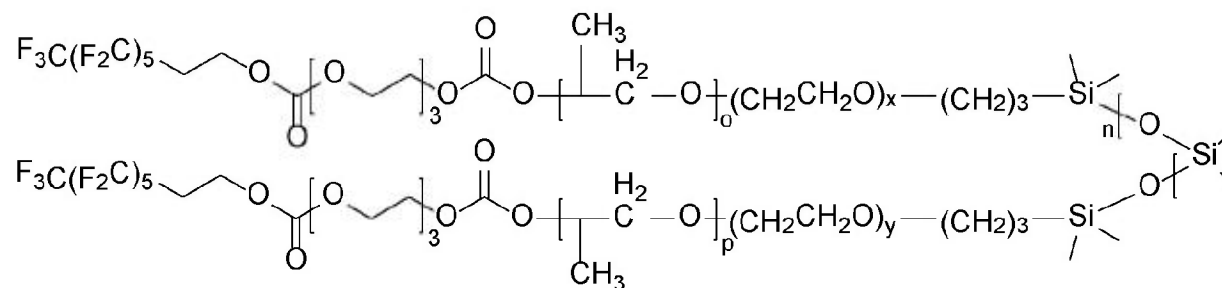
 $o = 7, p = 8, x = 7, y = 8, n = 43$ 

FIG. 13D

Compound 53

MW of diol = 5,109 Da

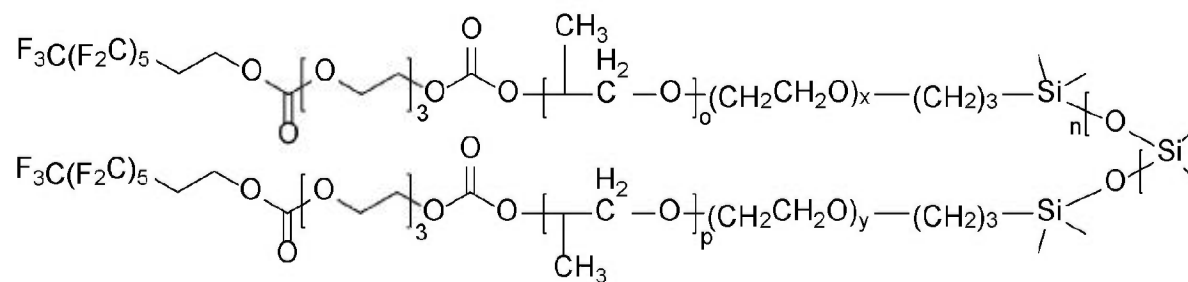
 $o = 3, p = 3, x = 9, y = 9, n = 43$ 

FIG. 13E
Compound 54

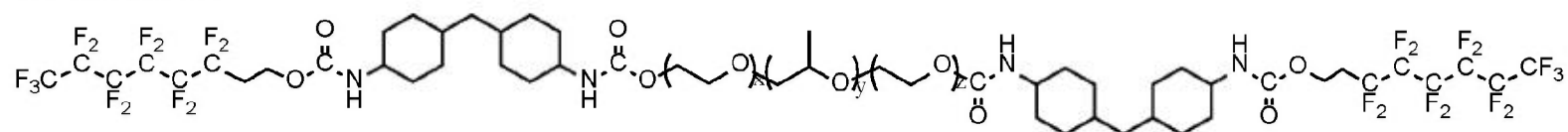


FIG. 13F
Compound 55

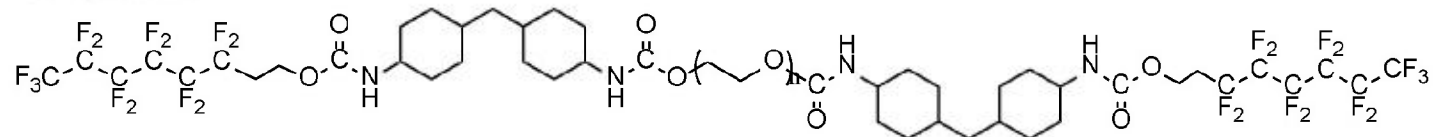


FIG. 13G
Compound 56

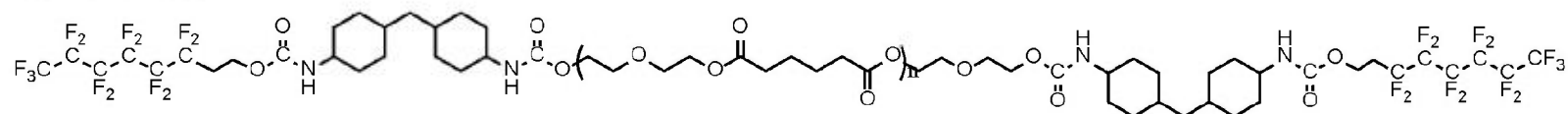


FIG. 13H
Compound 57

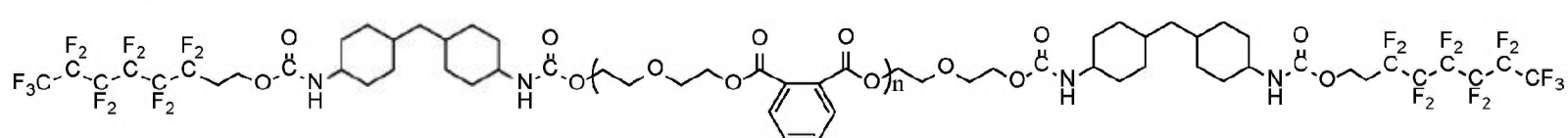


FIG. 14A

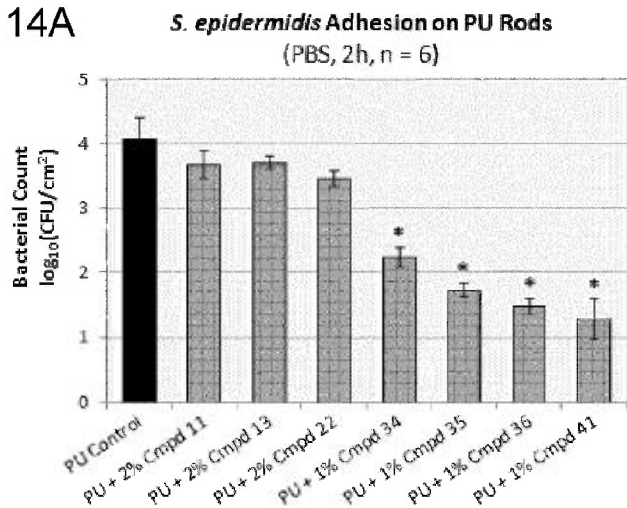


FIG. 14B

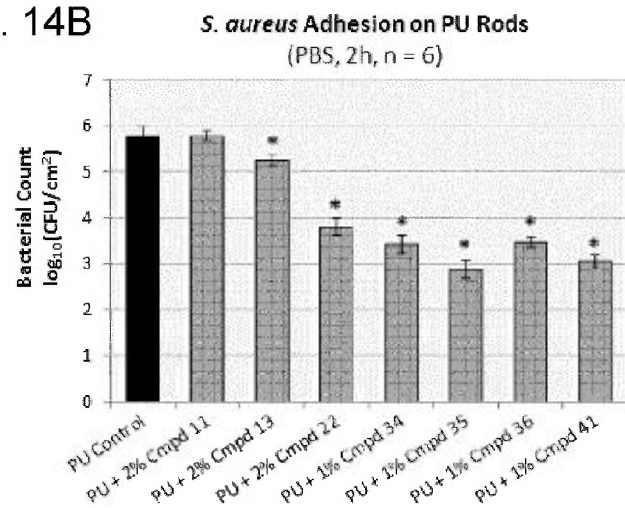


FIG. 14C

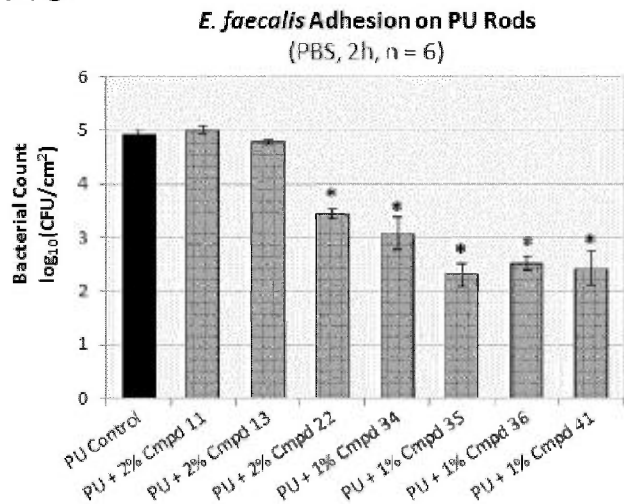


FIG. 14D

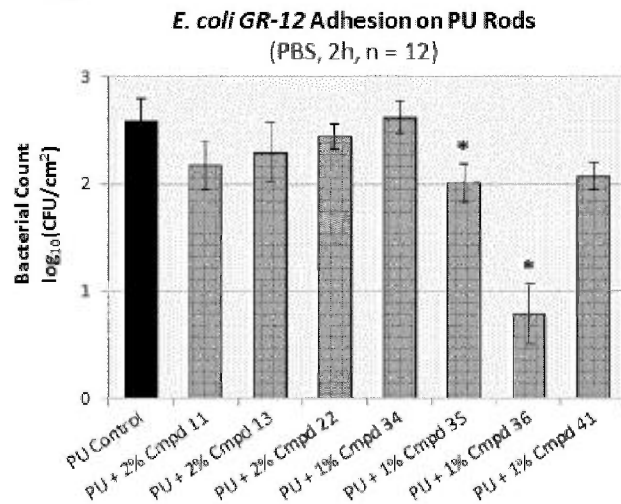


FIG. 15A

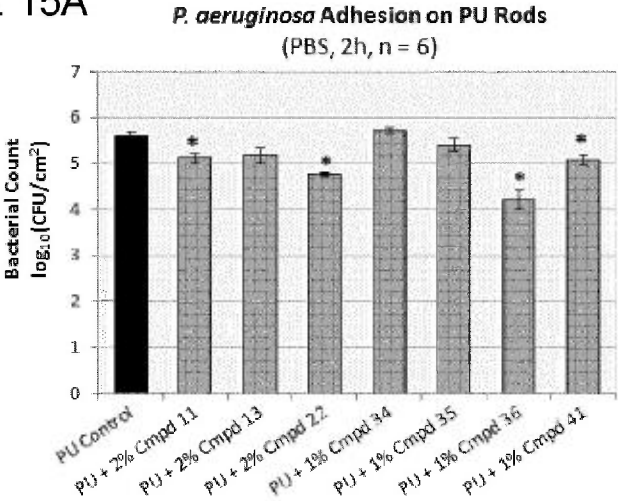


FIG. 15B

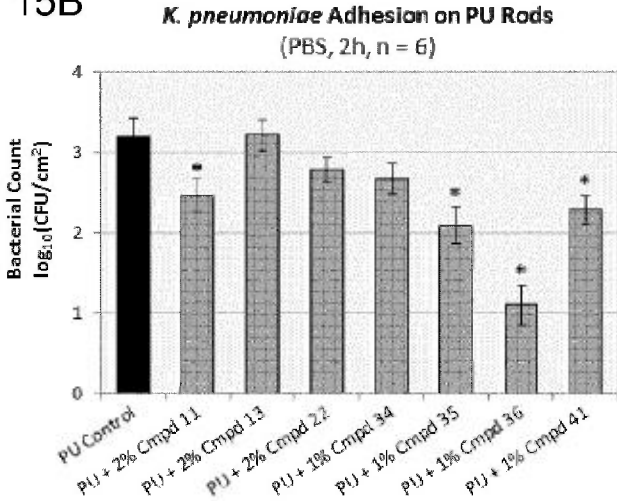


FIG. 15C

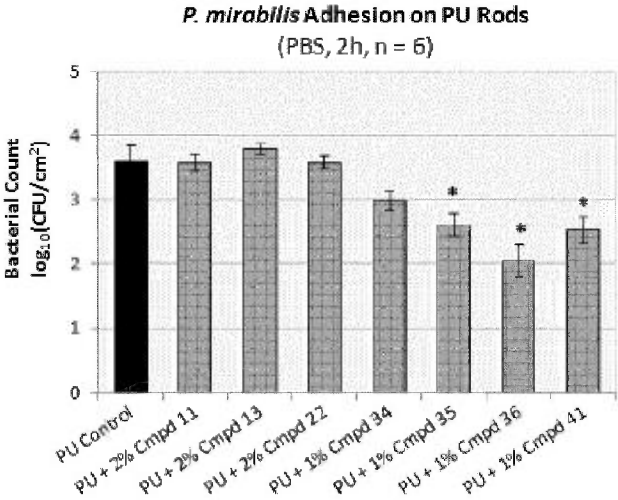


FIG. 15D

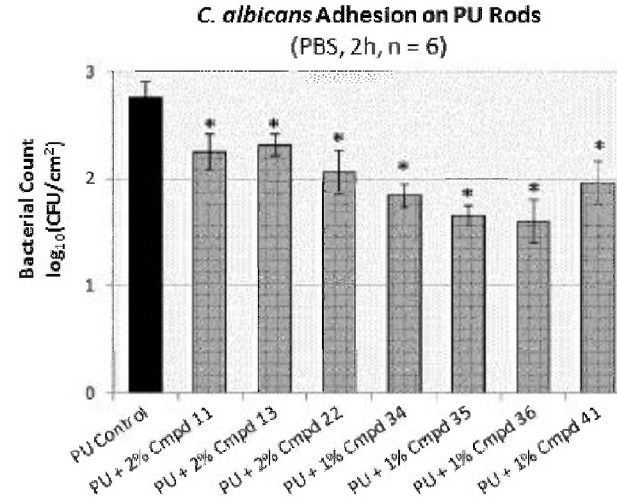


FIG. 16

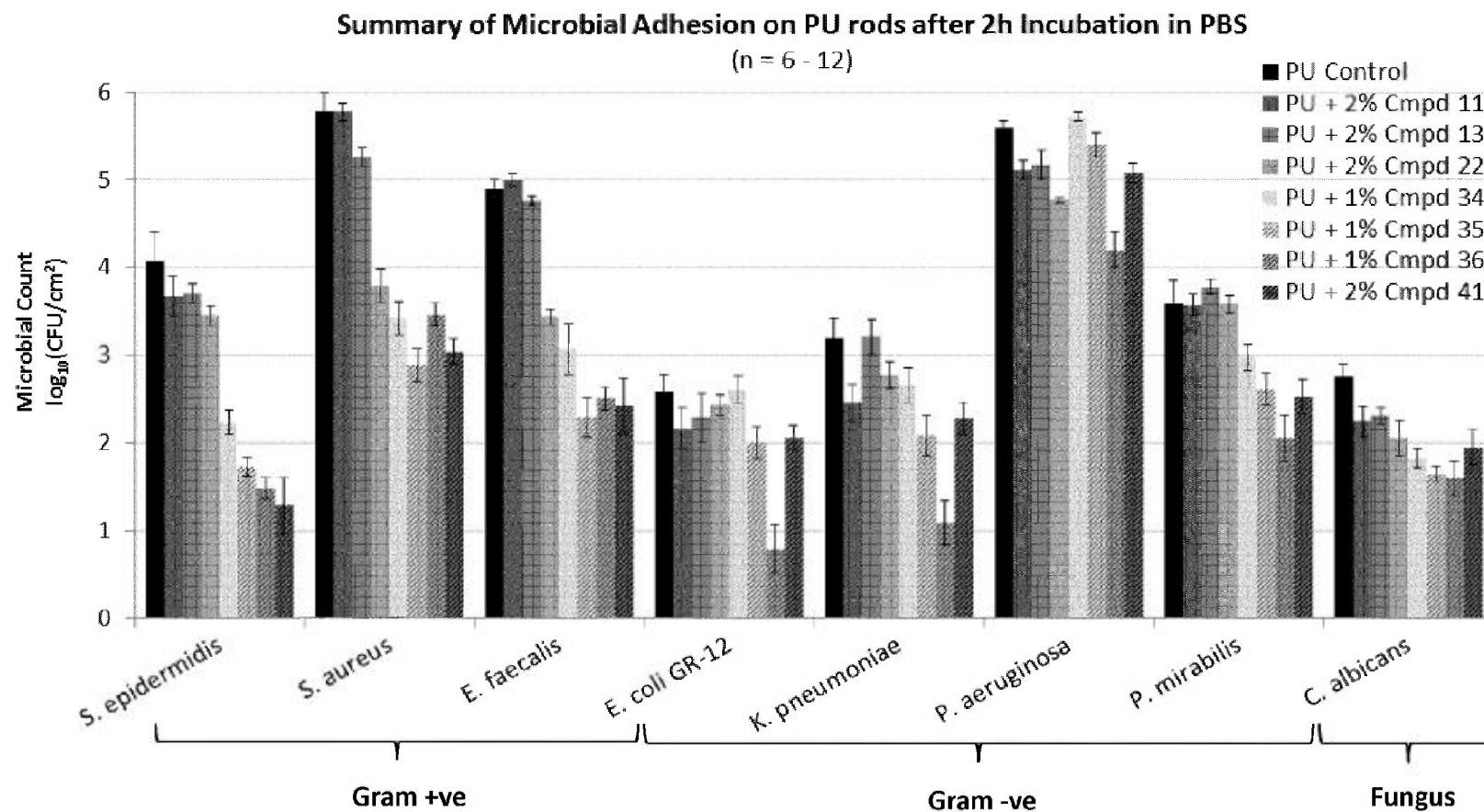


FIG. 17

Summary of Microbial Adhesion on PU rods in PBS

(n = 6 - 12)

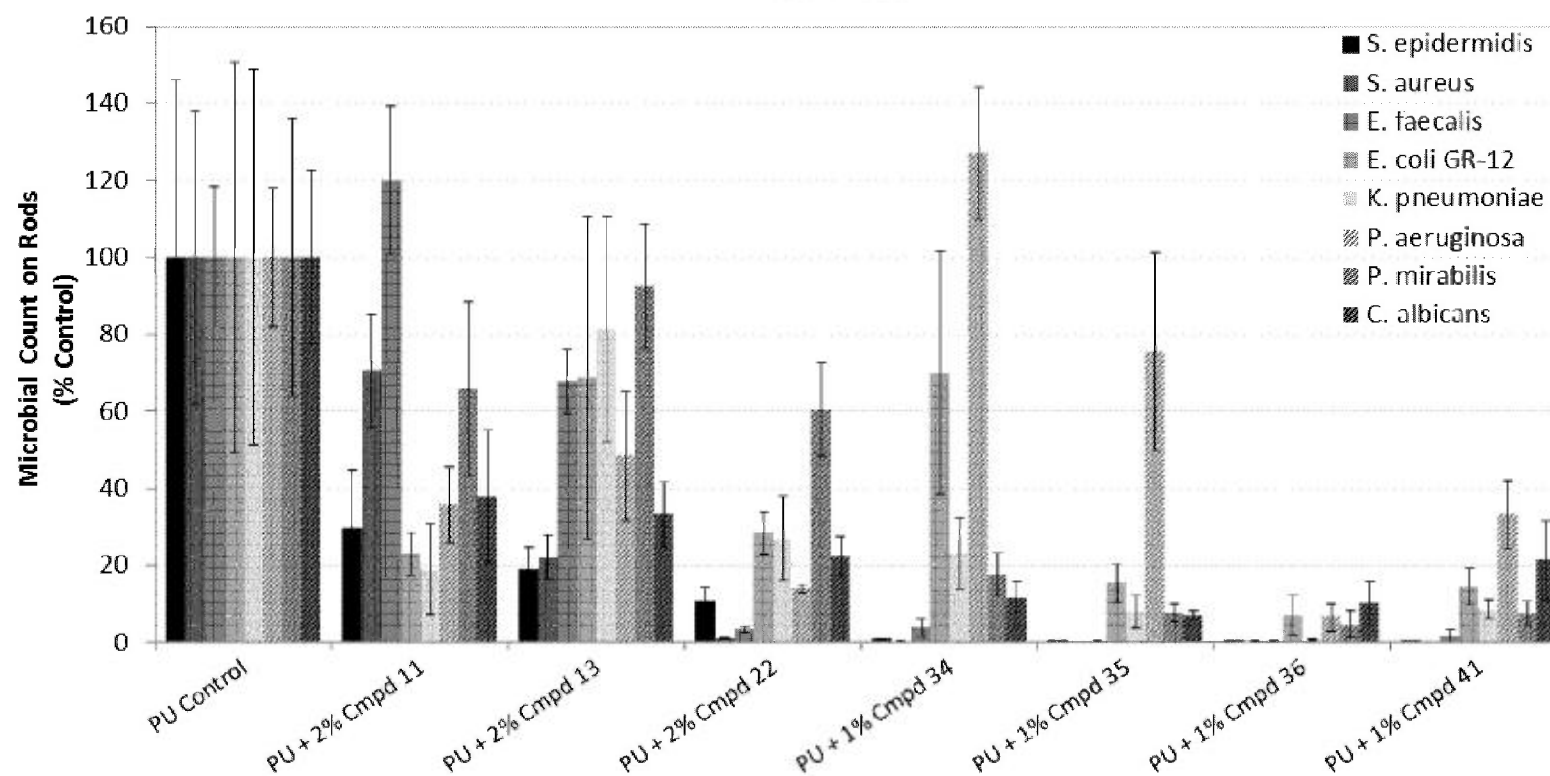


FIG. 18

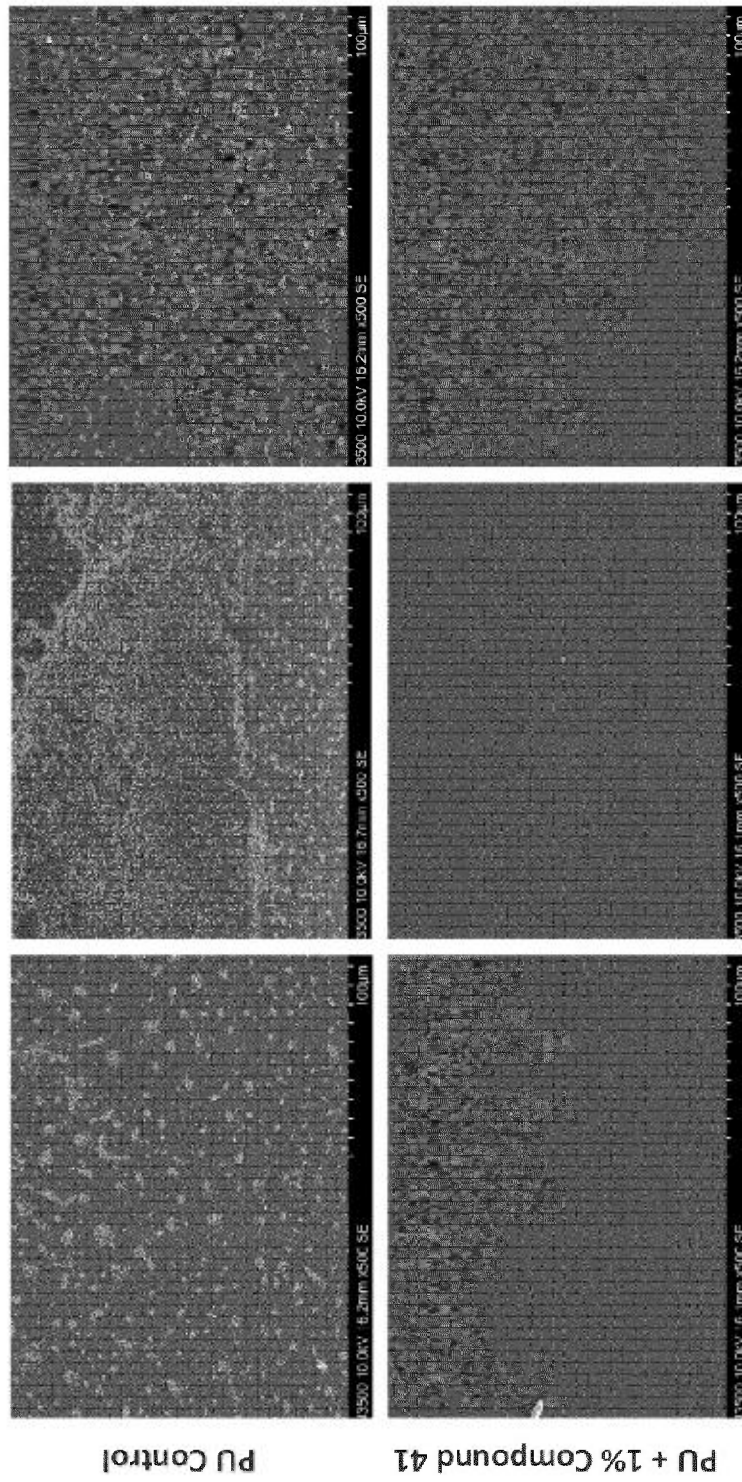


FIG. 19A

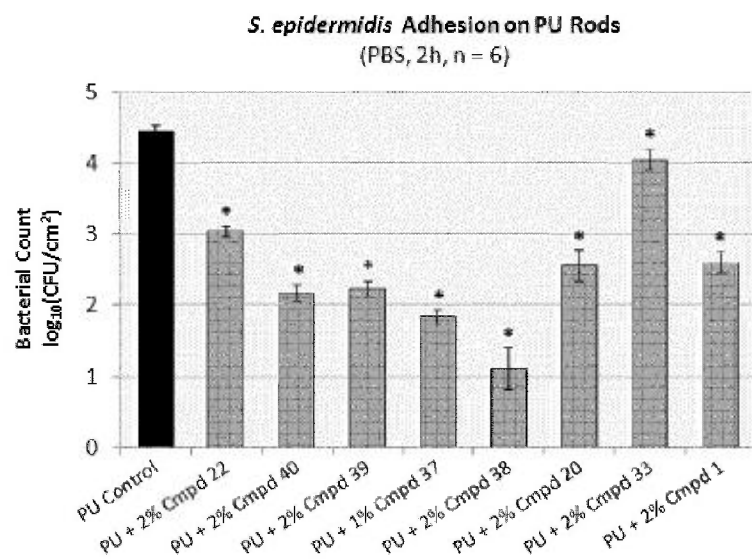


FIG. 19B

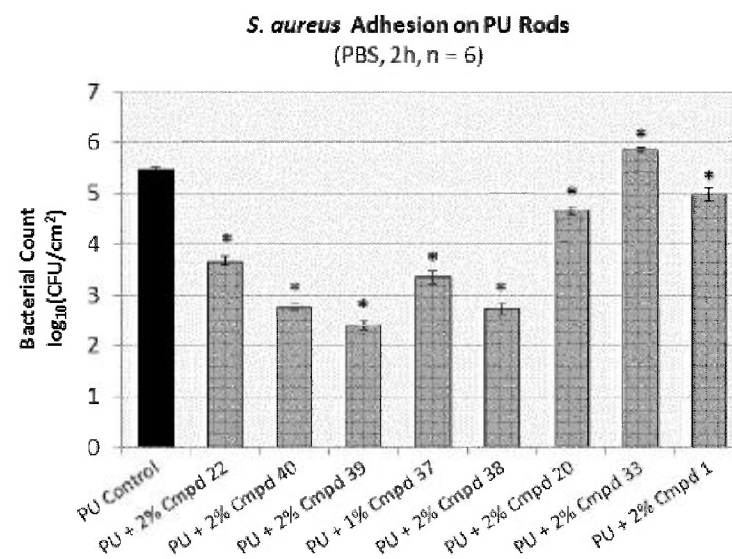


FIG. 19C

E. coli 67 Adhesion on PU Rods
(PBS, 2h, n = 6)

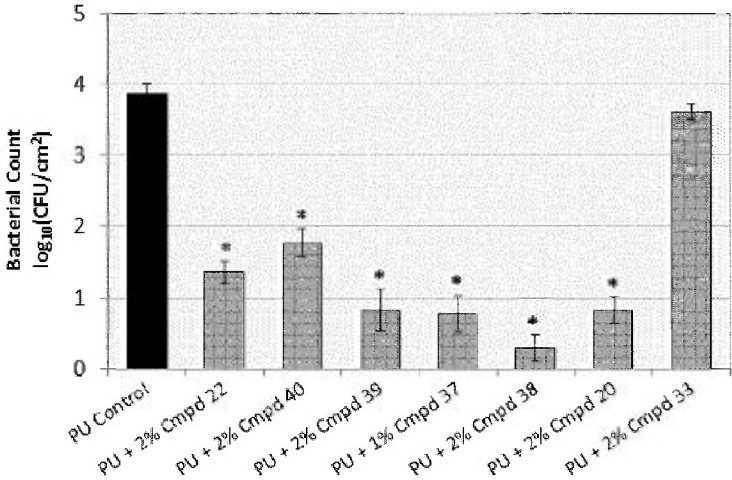


FIG. 19D

P. aeruginosa Adhesion on PU Rods
(PBS, 2h, n = 6)

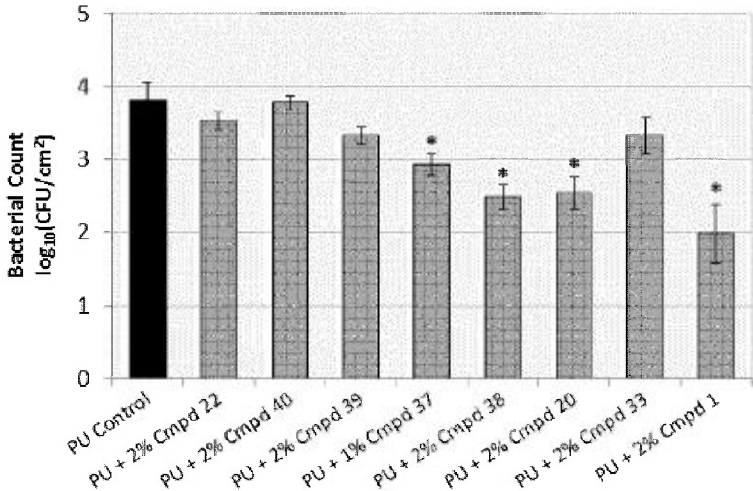


FIG. 19E

P. mirabilis Adhesion on PU Rods
(PBS, 2h, n = 6)

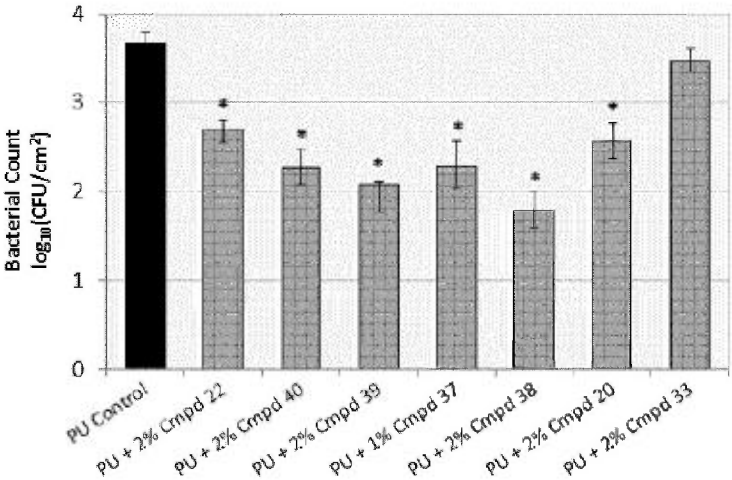


FIG. 20

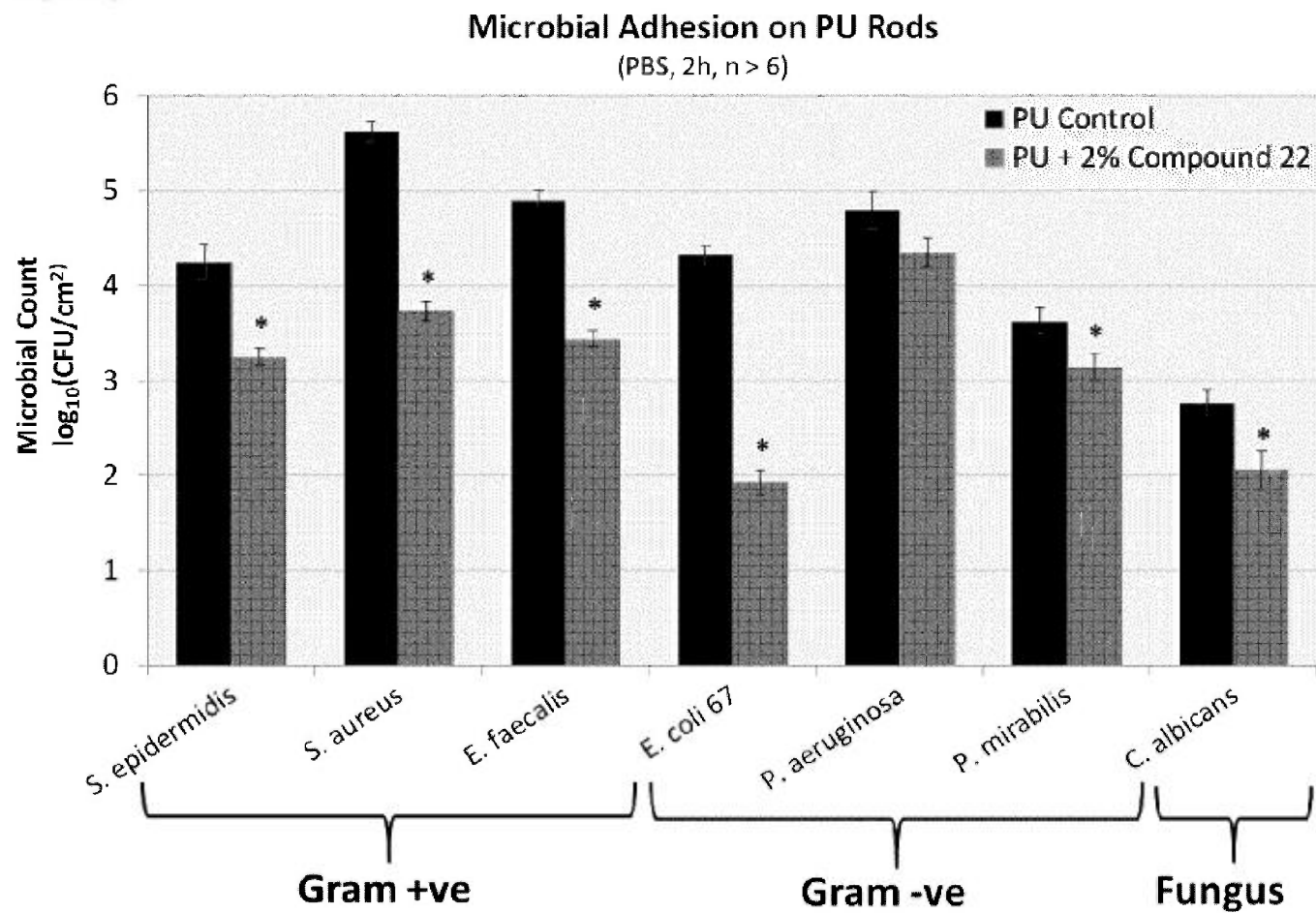


FIG. 21A

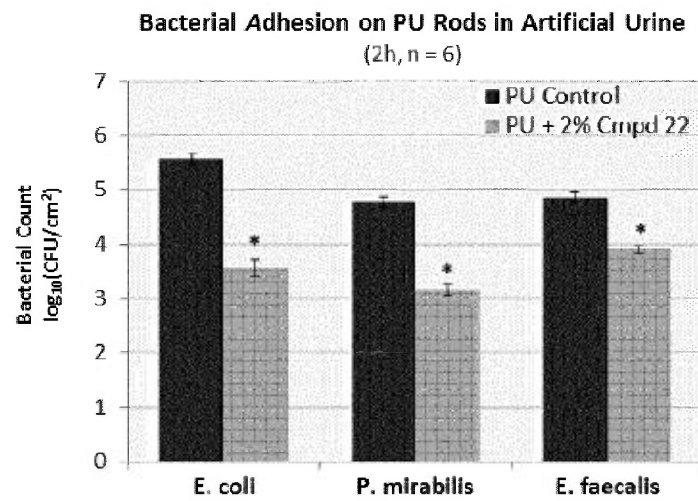


FIG. 21B

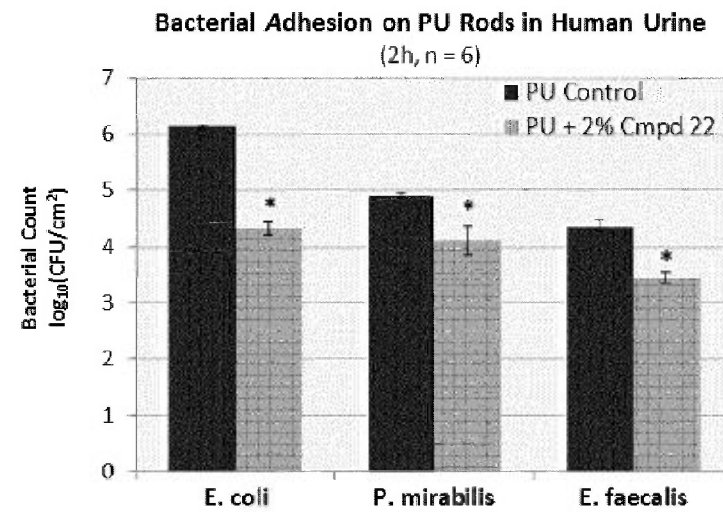


FIG. 22

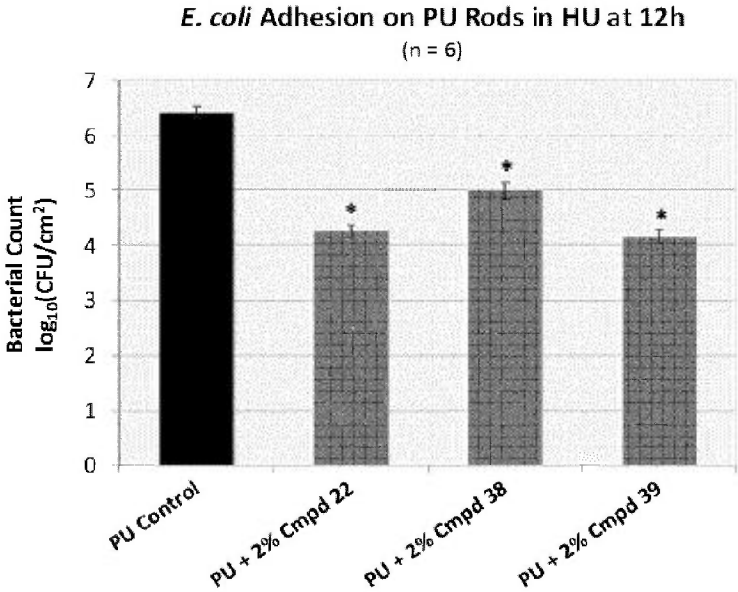


FIG. 23

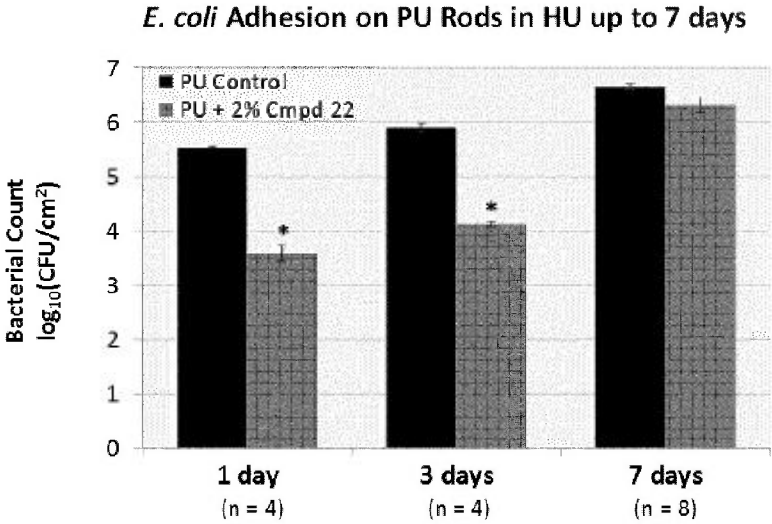


FIG. 24

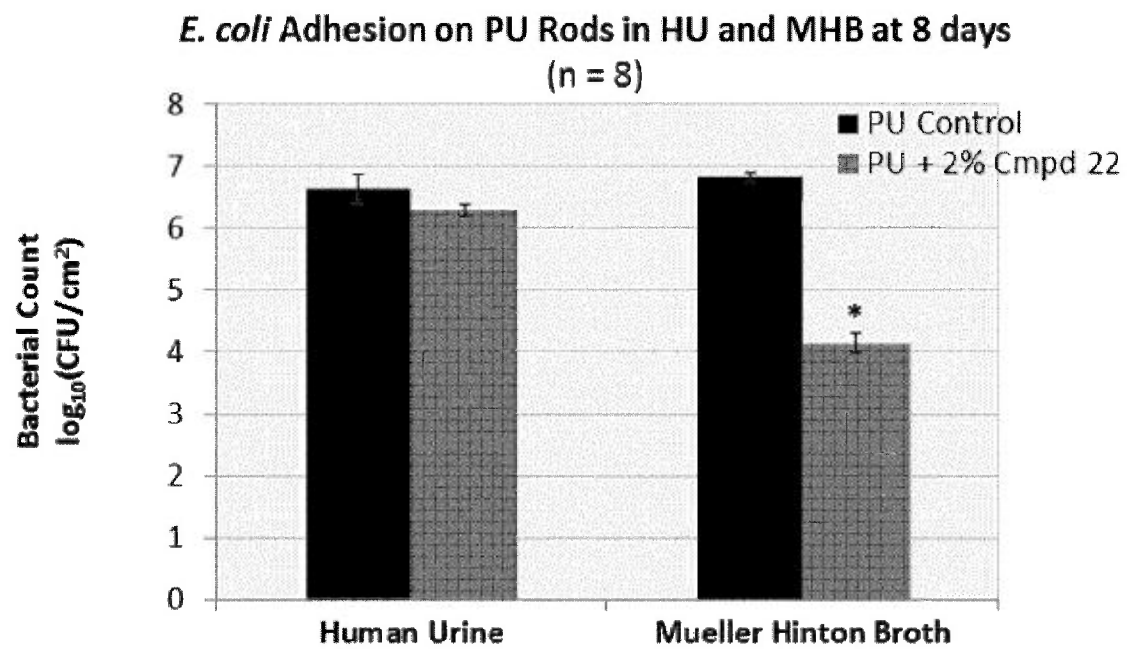


FIG. 25

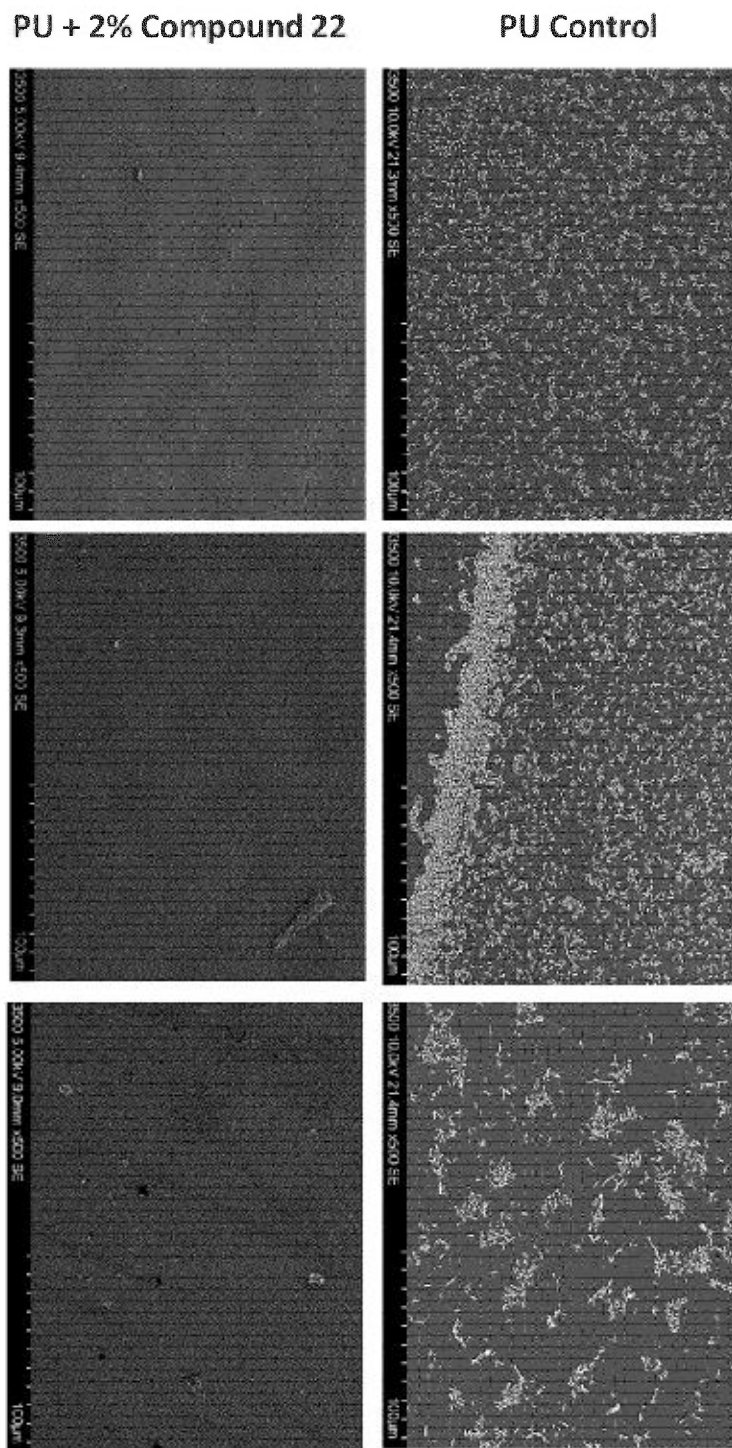


FIG. 26

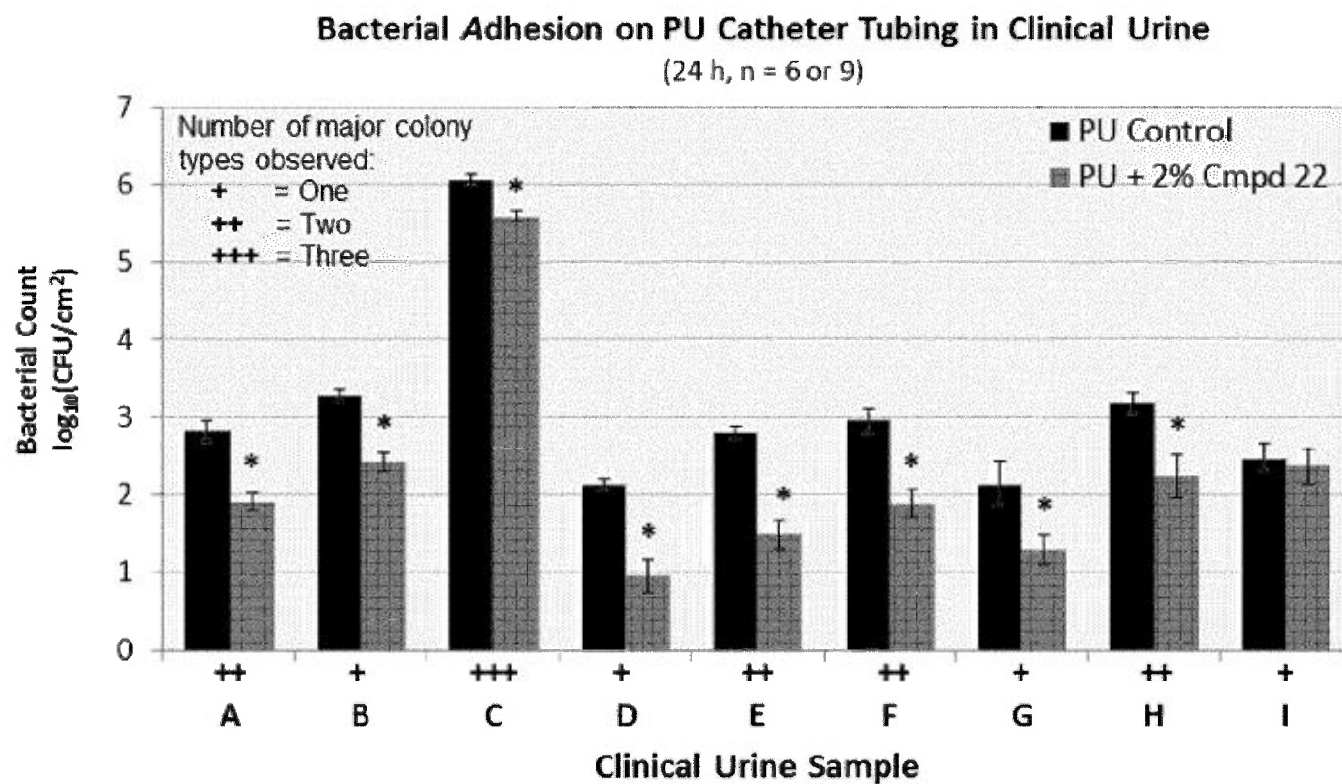


FIG. 27

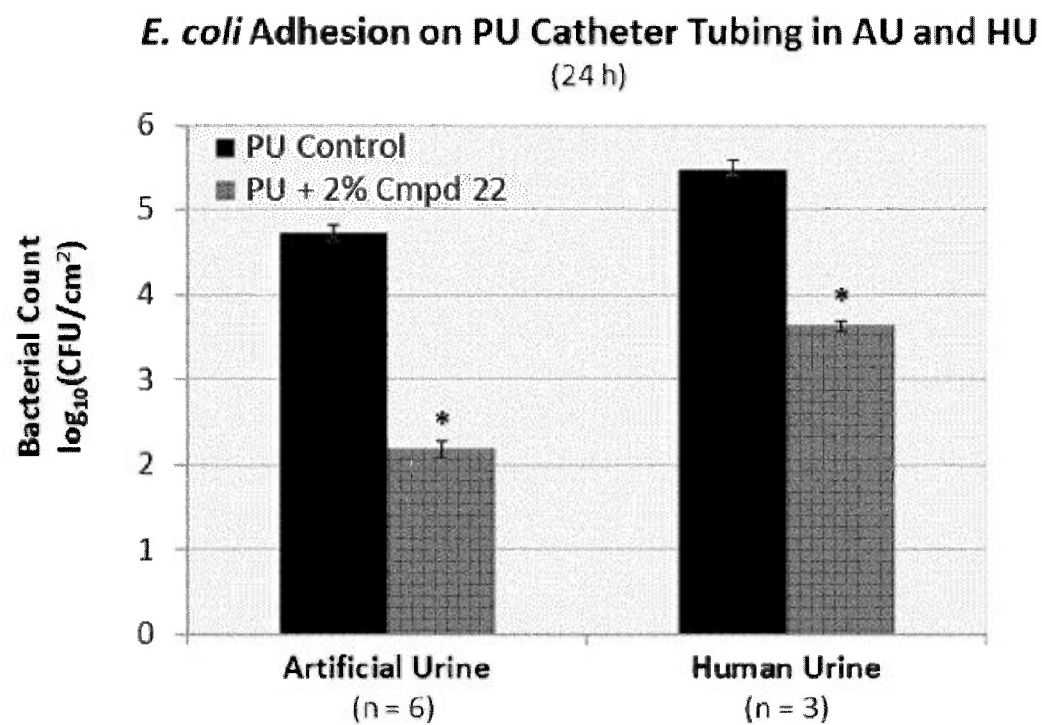


FIG. 28

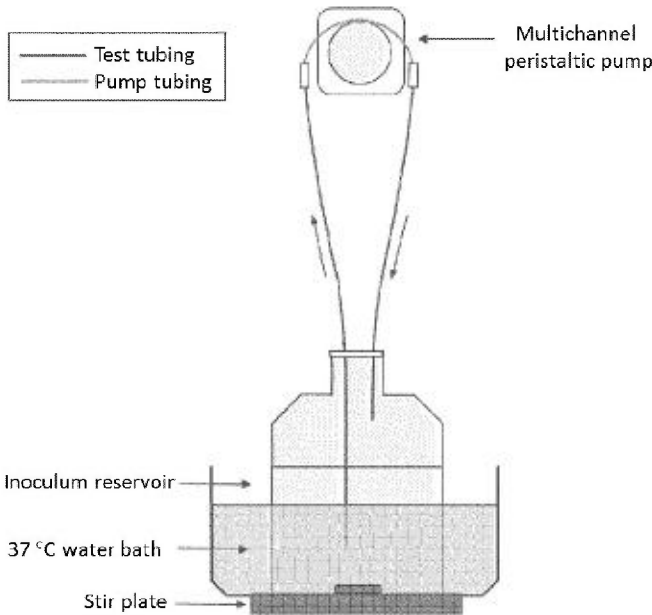


FIG. 29

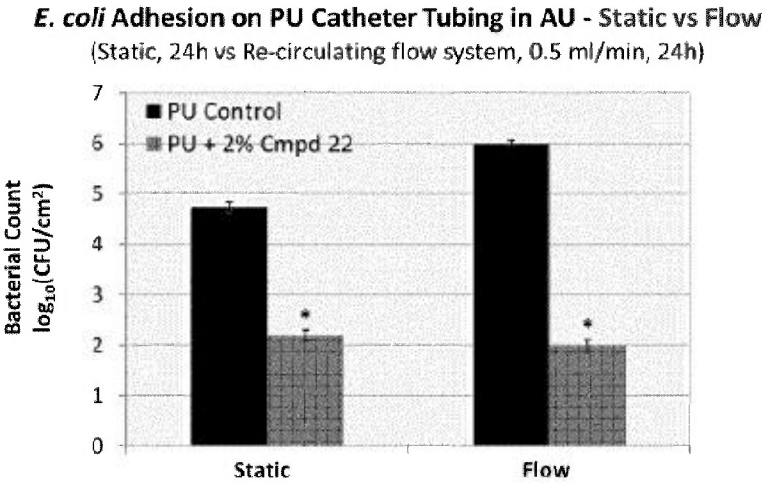
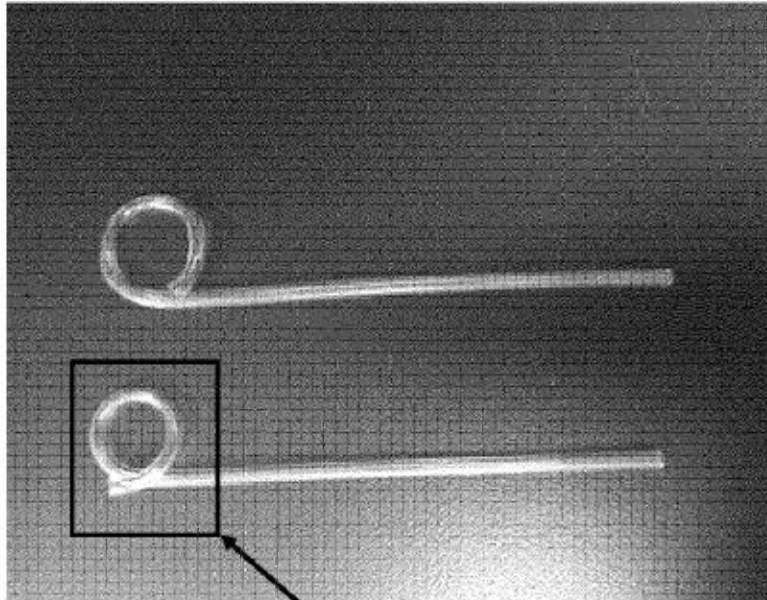


FIG. 30



Implanted in rabbit bladder

FIG. 31

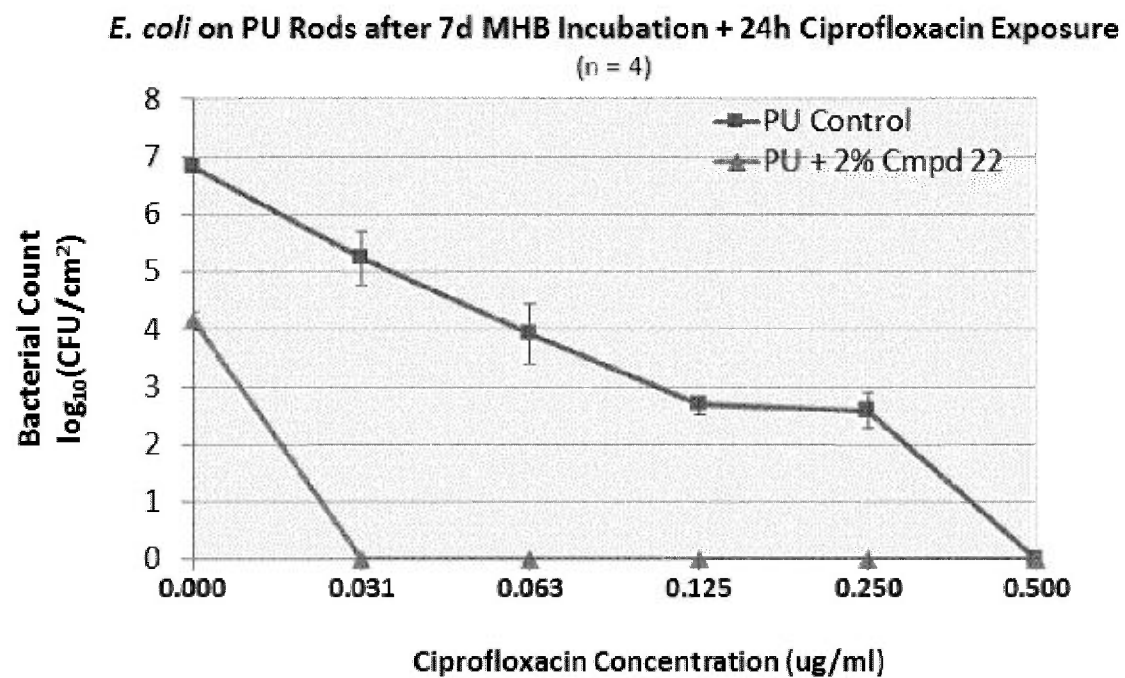


FIG. 32A

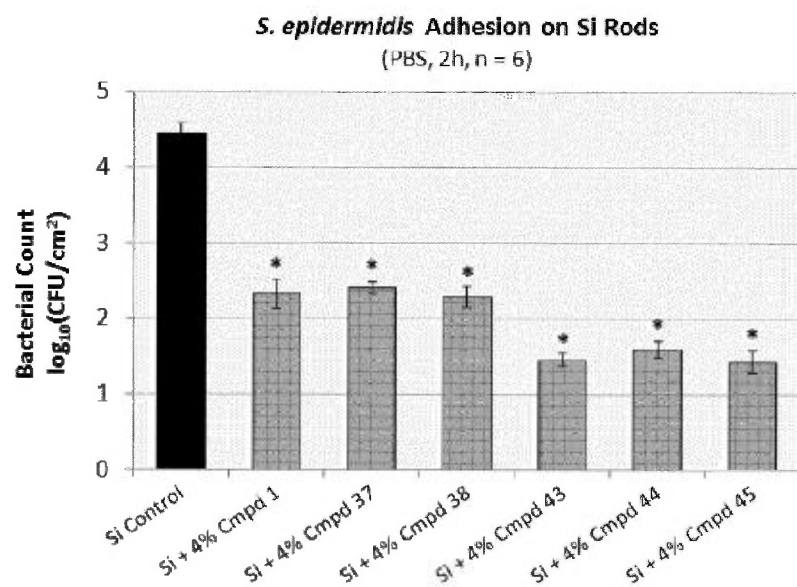
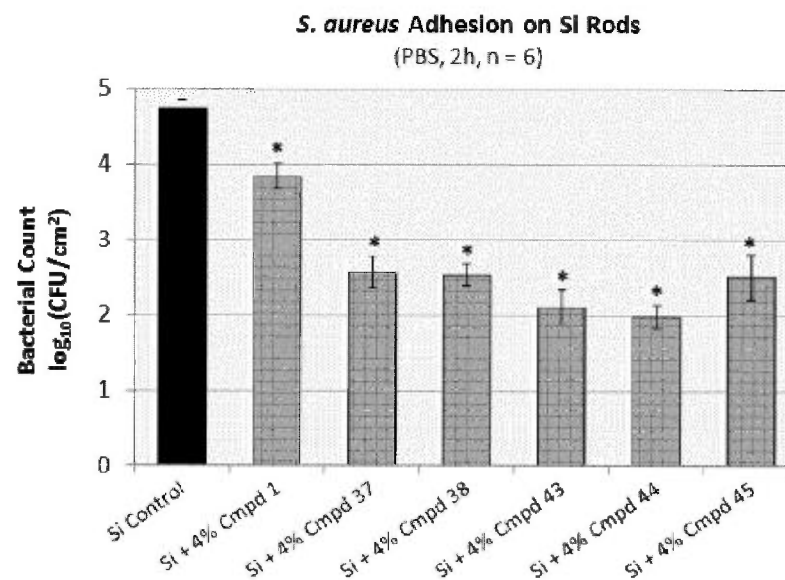


FIG. 32B



48/64

FIG. 33A

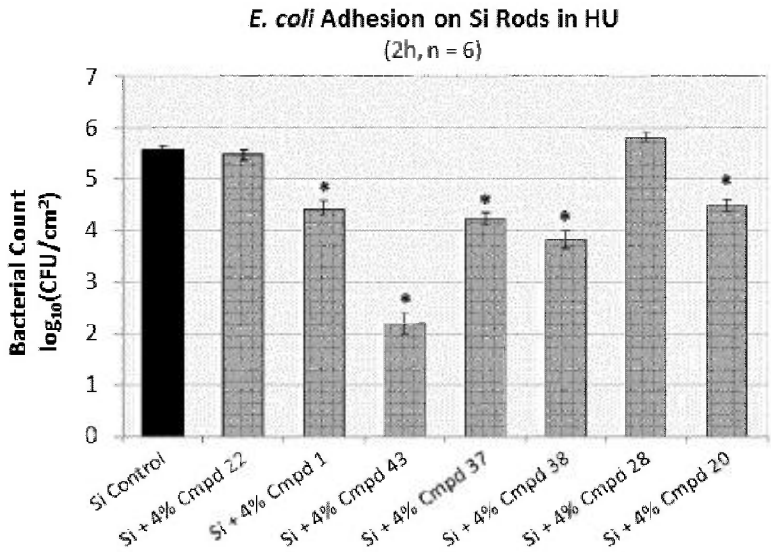


FIG. 33B

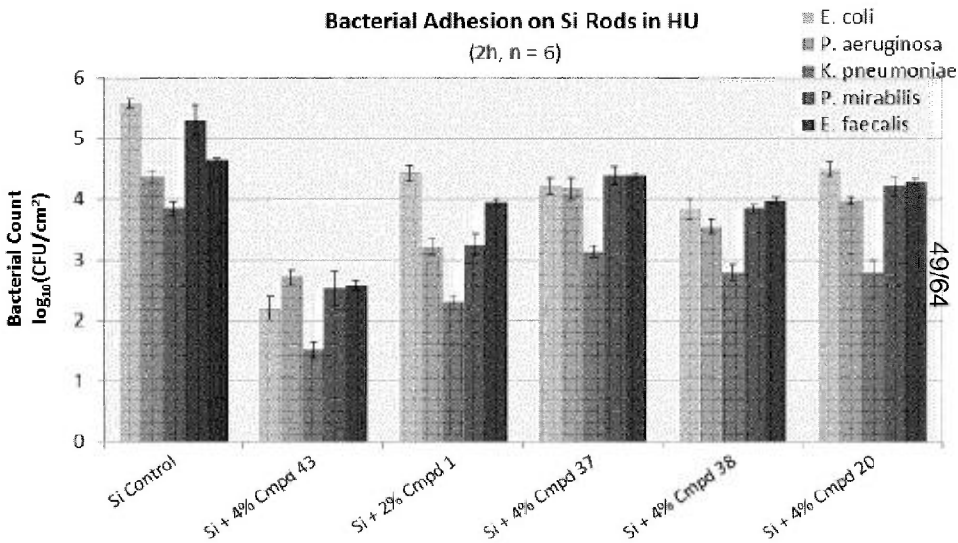


FIG. 34B

E. faecalis Adhesion on Si Rods in HU
(n = 6)

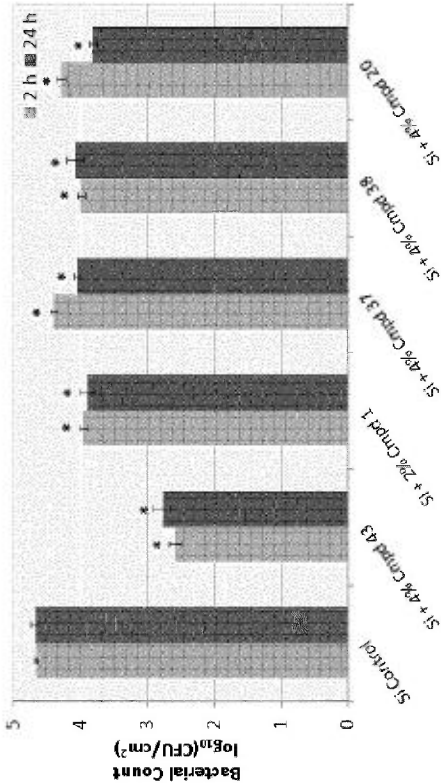


FIG. 34A

P. aeruginosa Adhesion on Si Rods in HU
(n = 6)

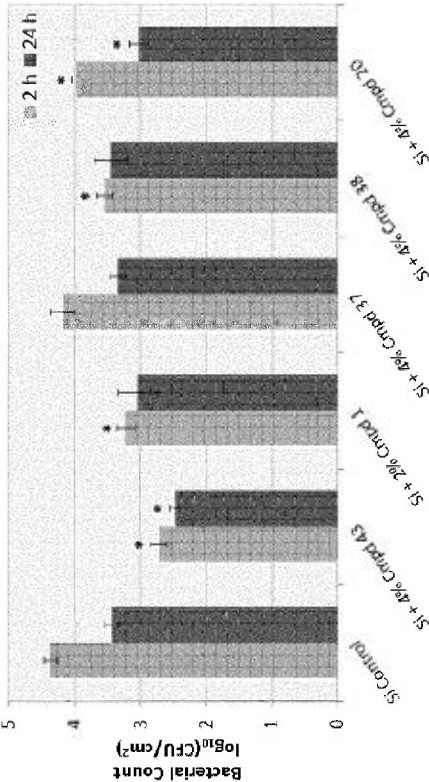


FIG. 35

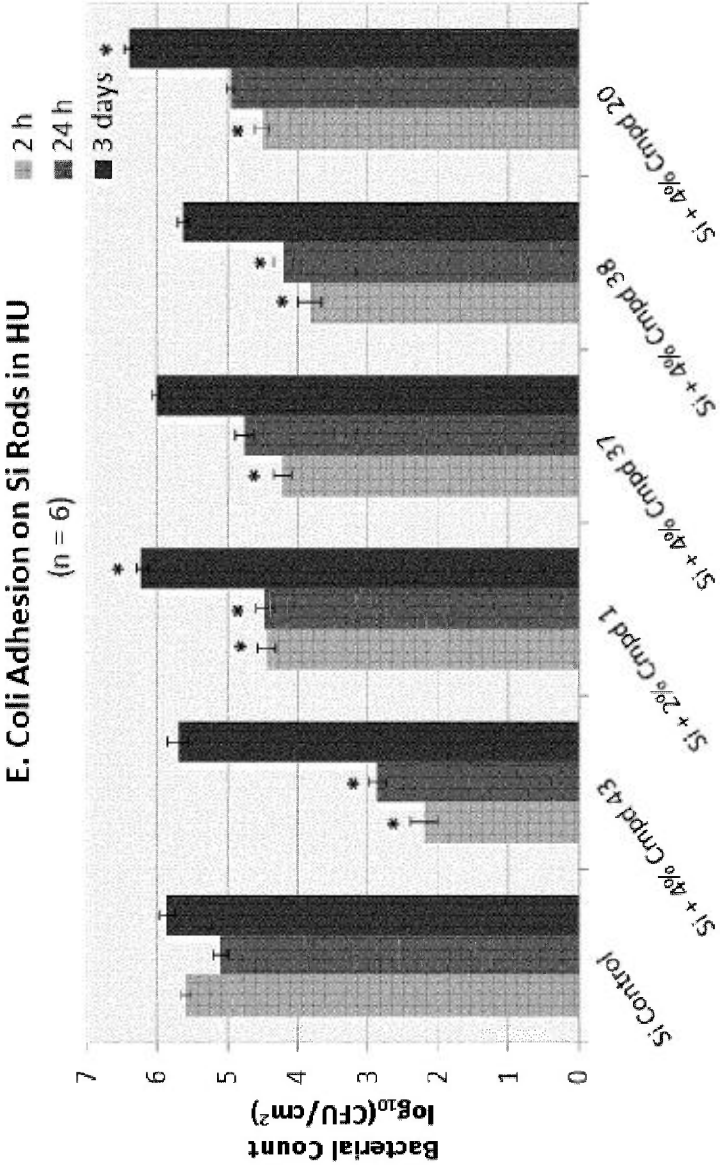


FIG. 36

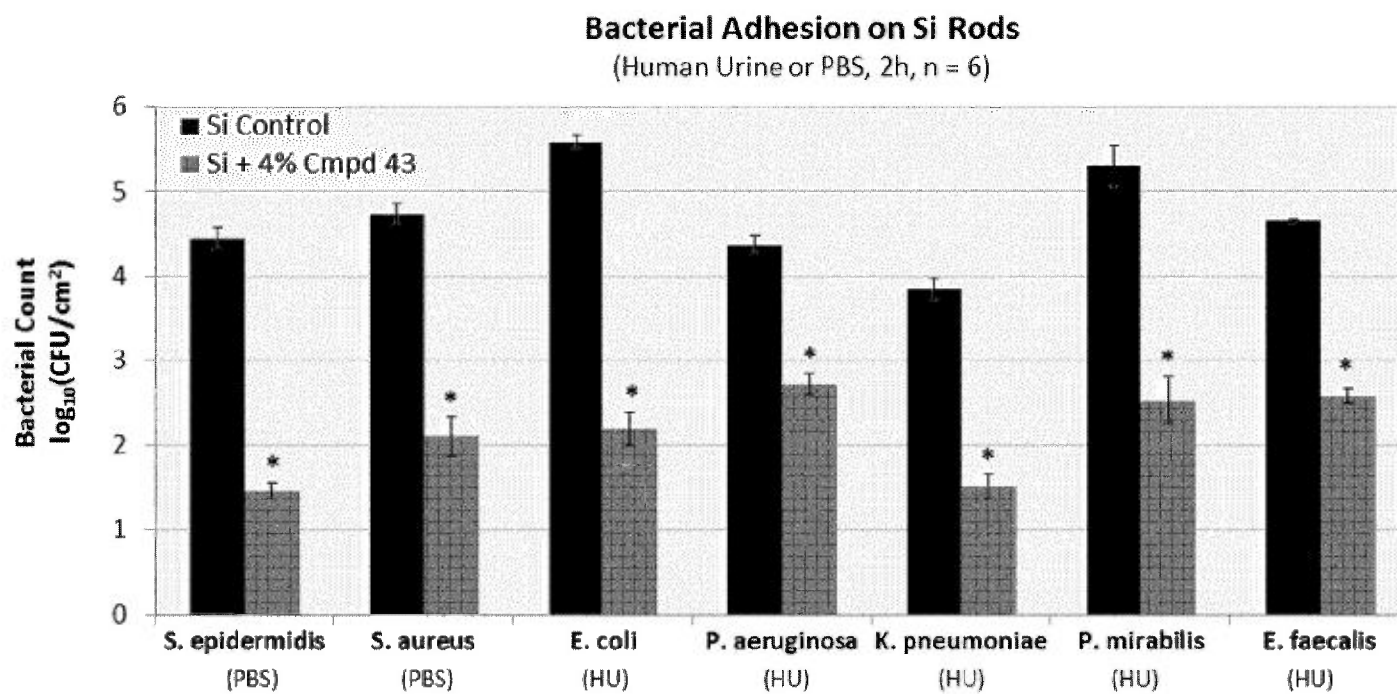


FIG. 37

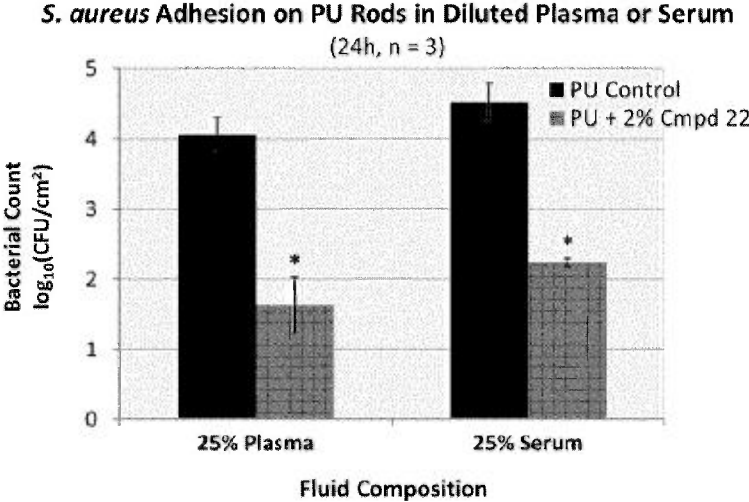


FIG. 38

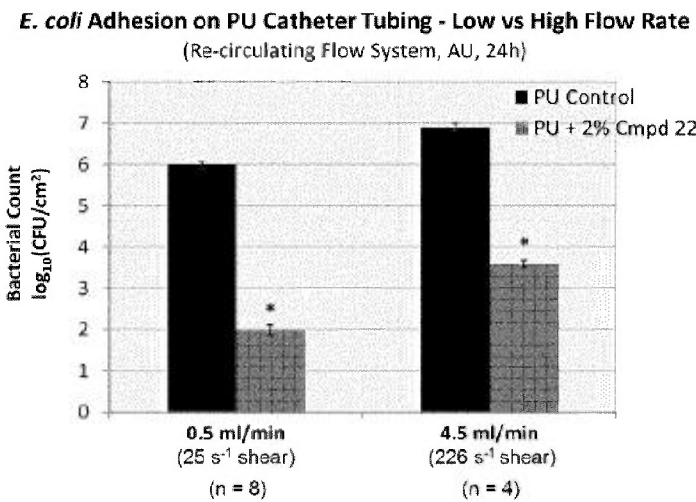


FIG. 39

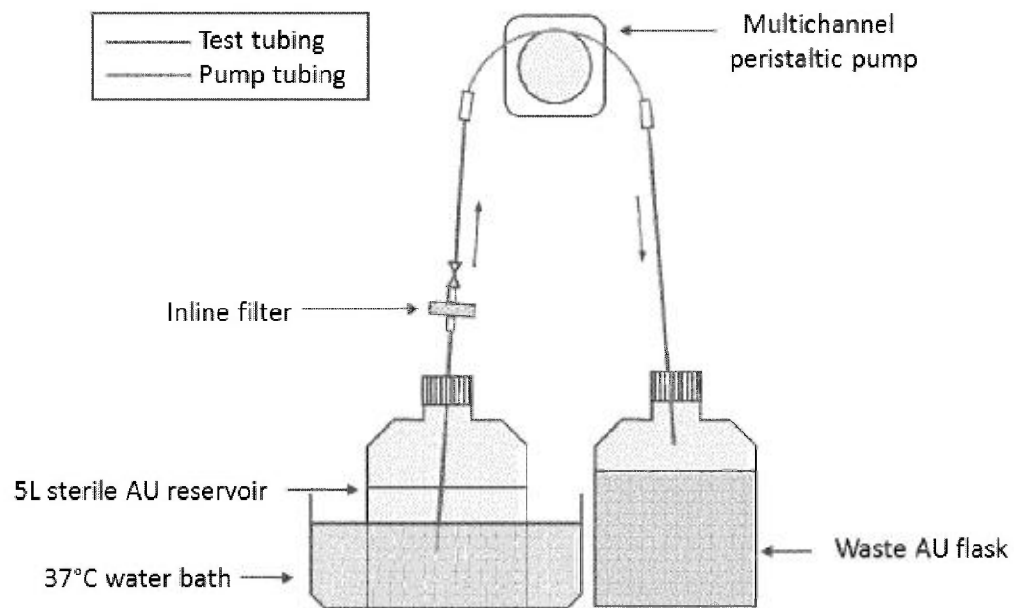


FIG. 40

***E. coli* Adhesion on PU Catheter Tubing over 7 days of AU Flow**

(Non-circulating Flow System, AU, 0.5 ml/min, n = 3)

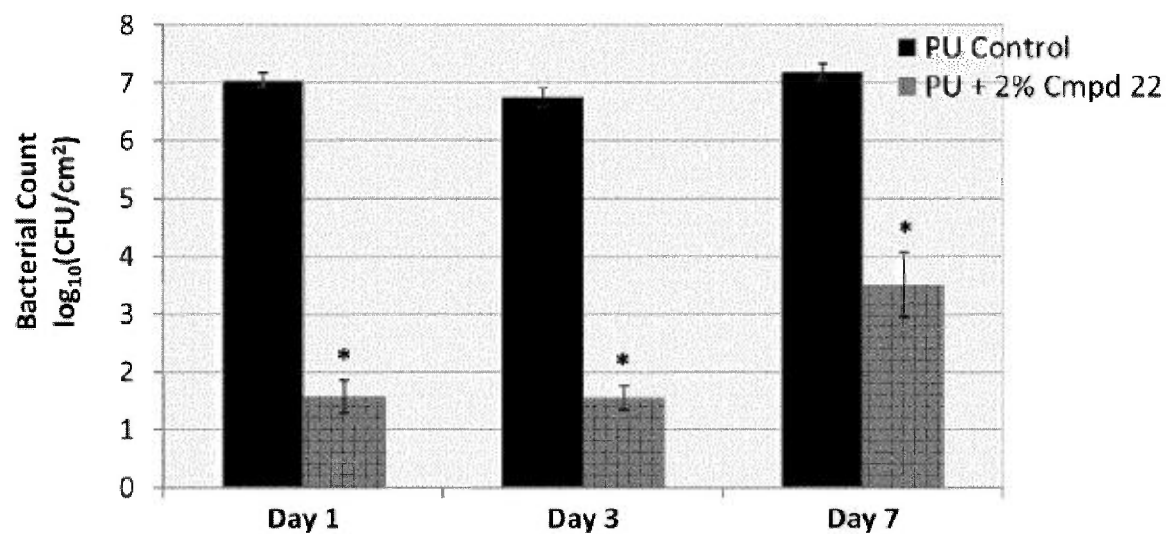
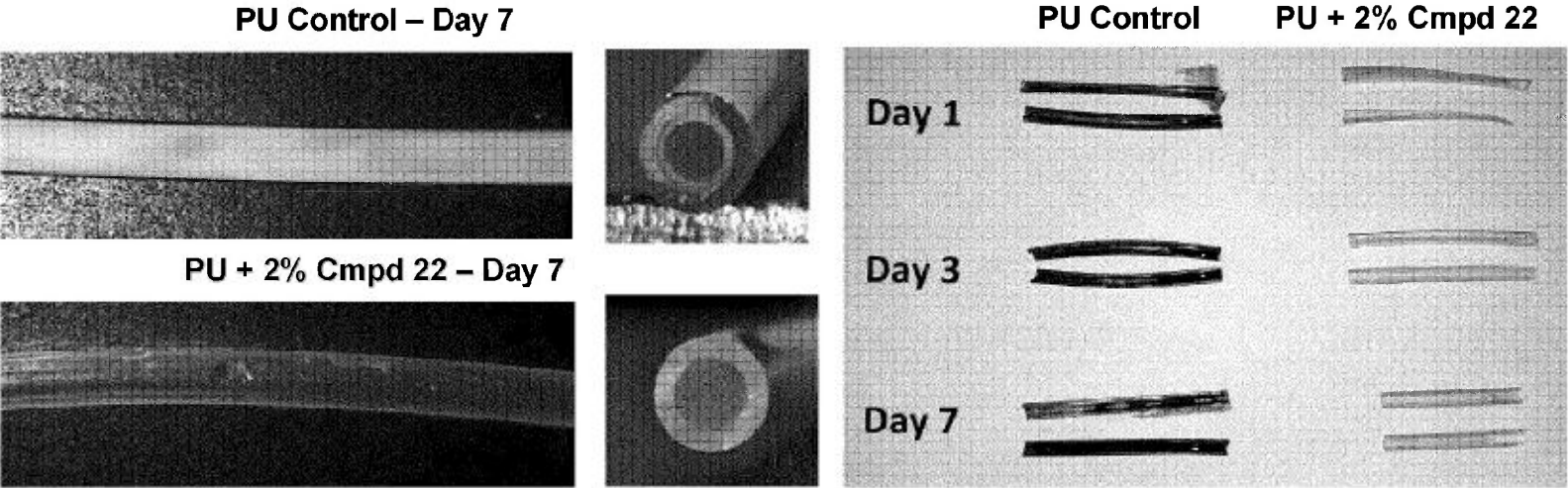


FIG. 41



57/64

FIG. 42

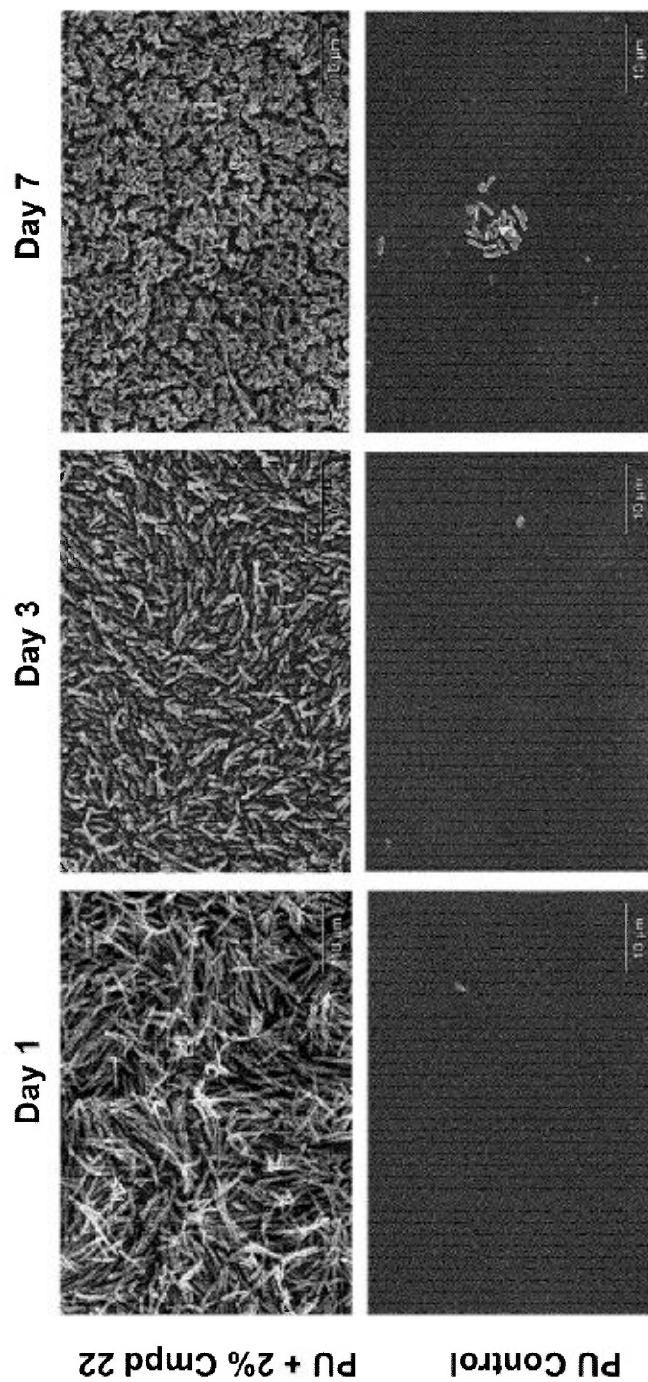


FIG. 43

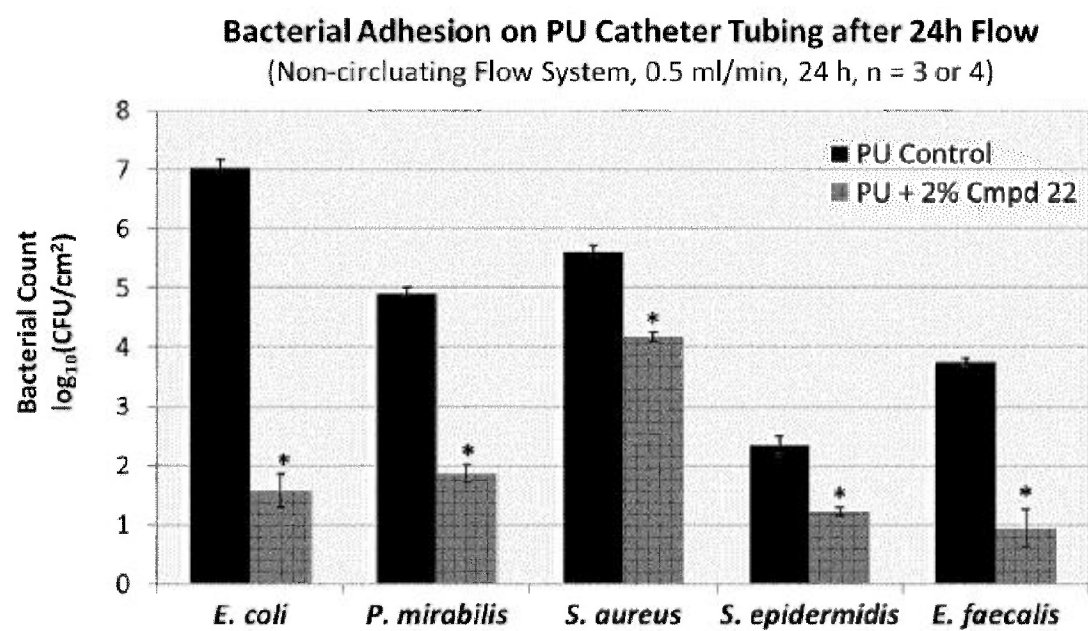


FIG. 44

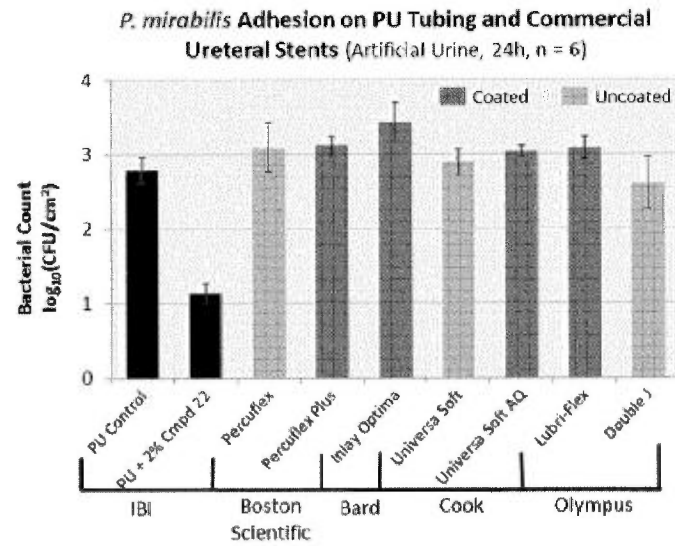
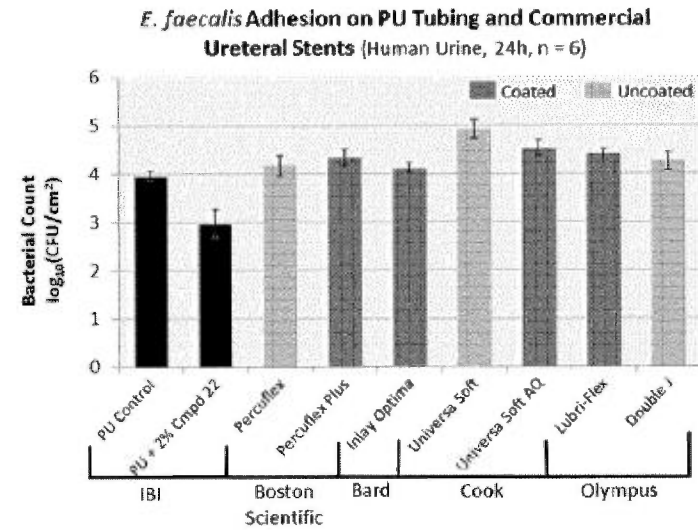
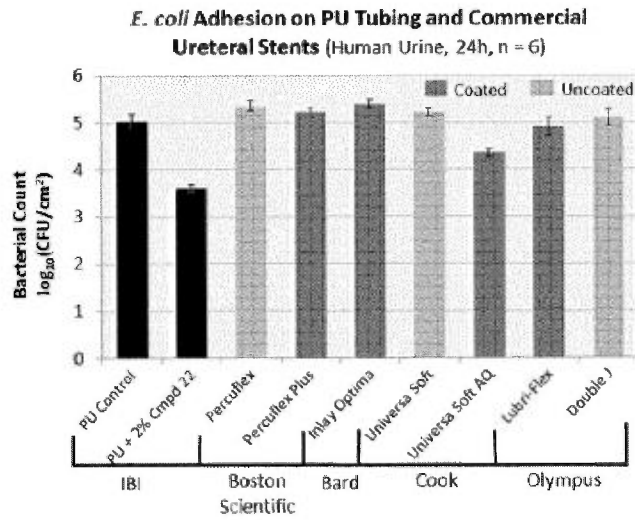


FIG. 45

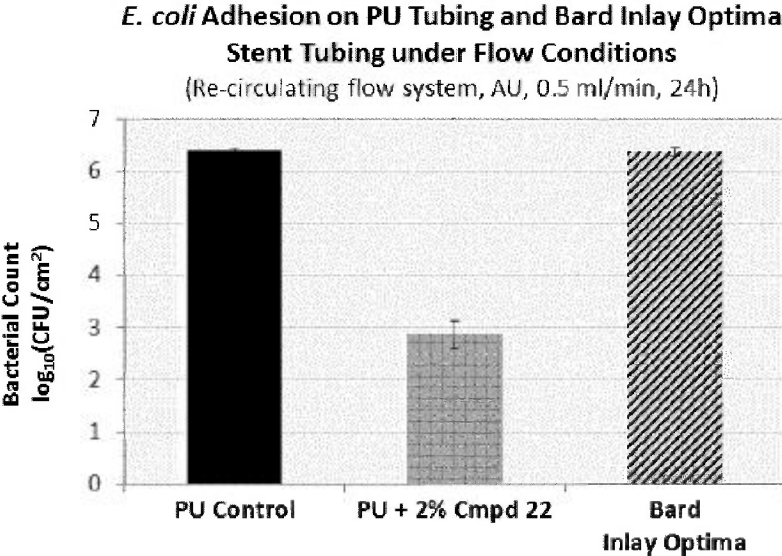


FIG. 46

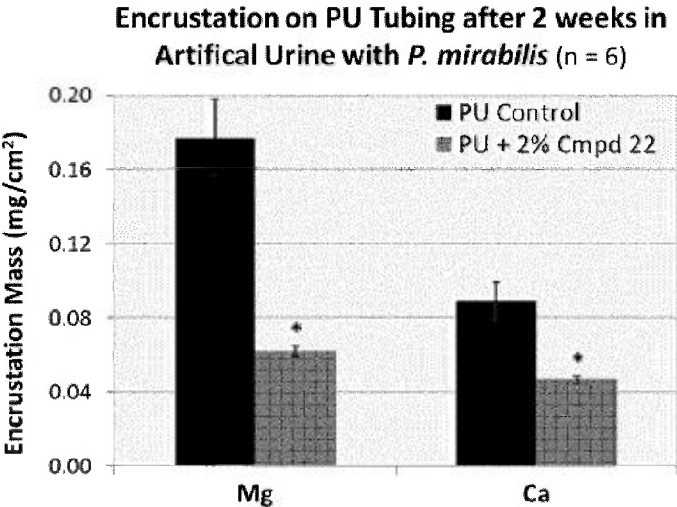


FIG. 47

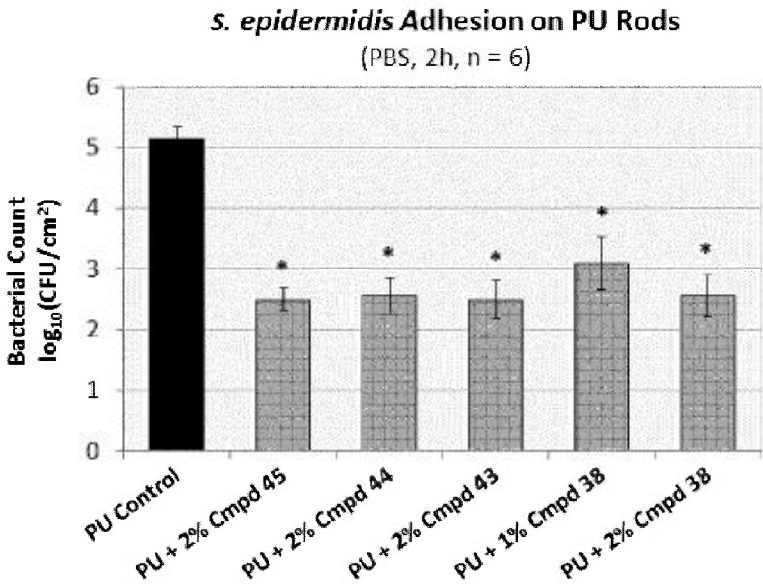
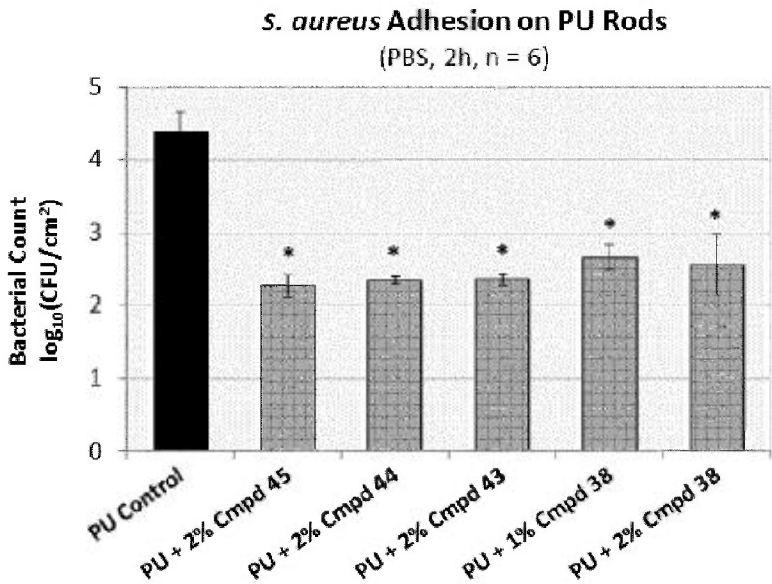


FIG. 48

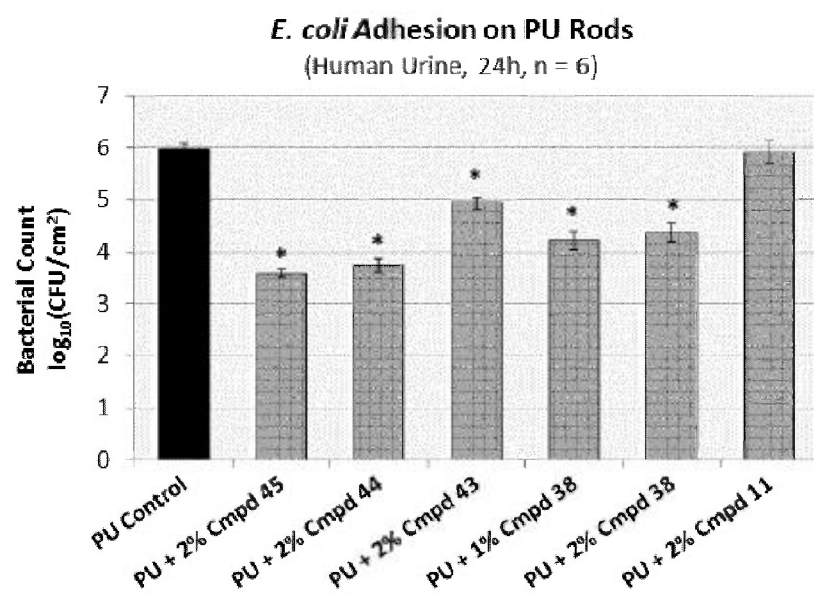


FIG. 49

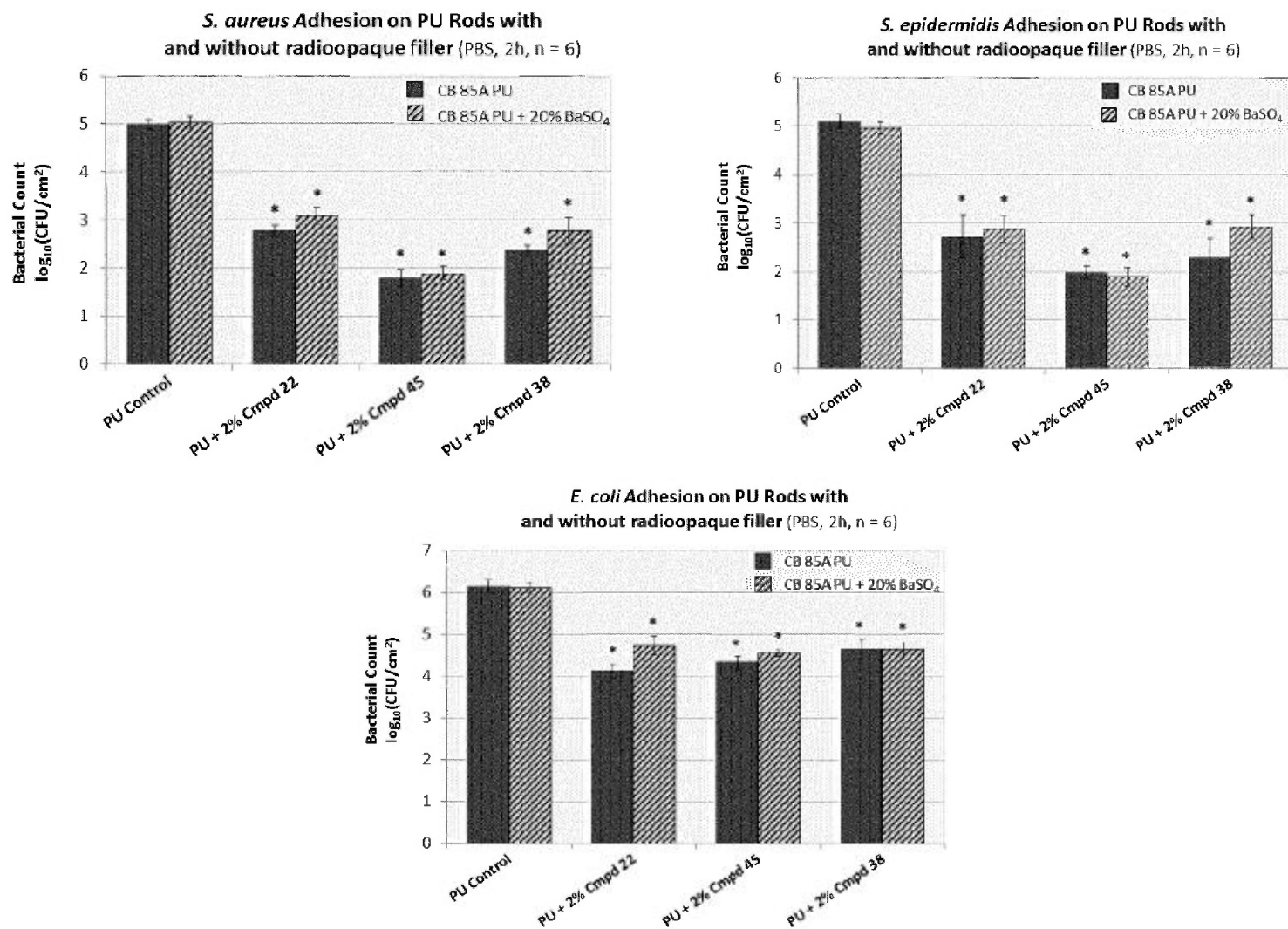


FIG. 50

