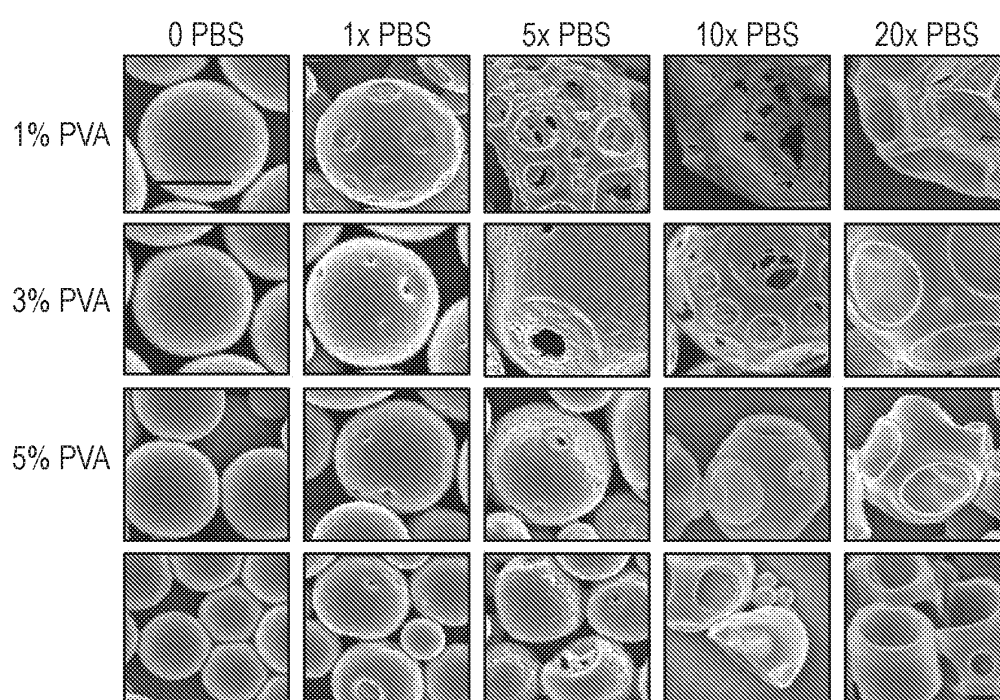
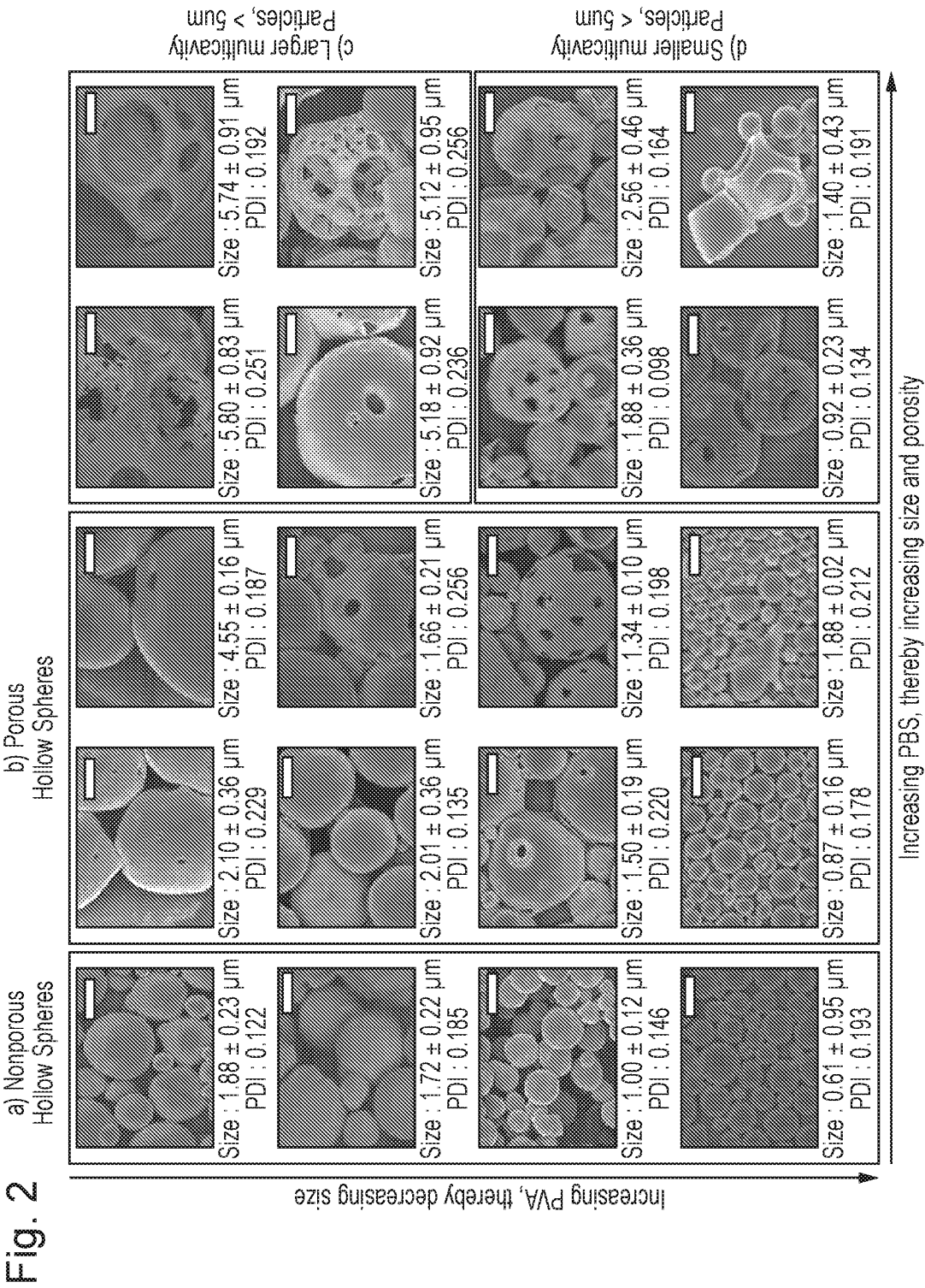


Fig. 1





3/29

Fig. 3

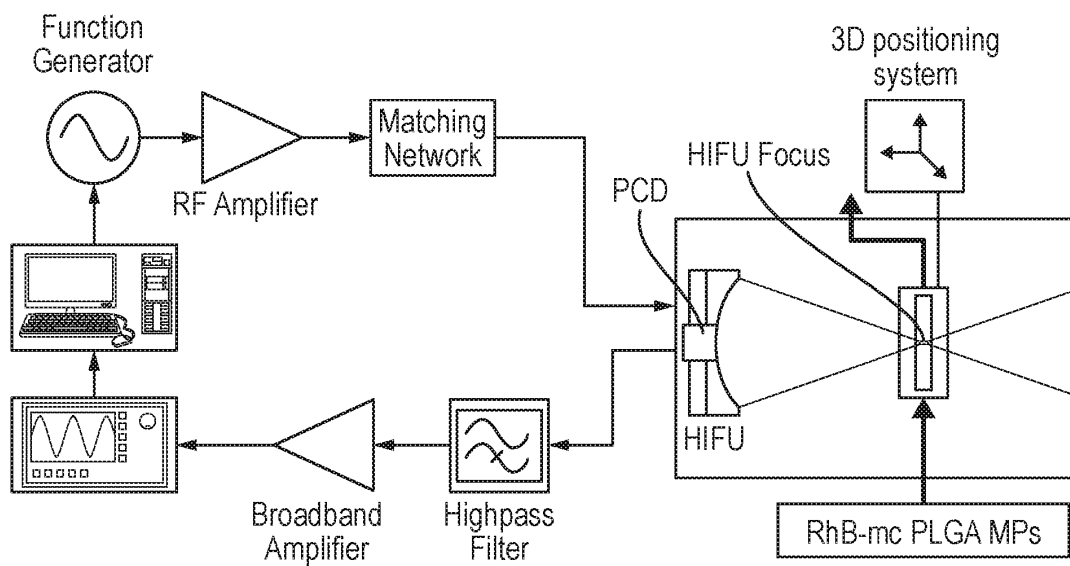
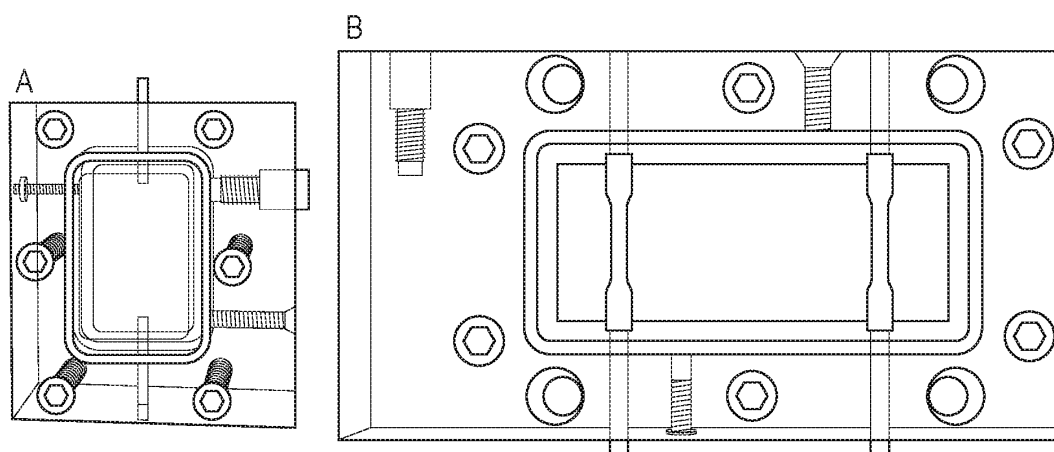
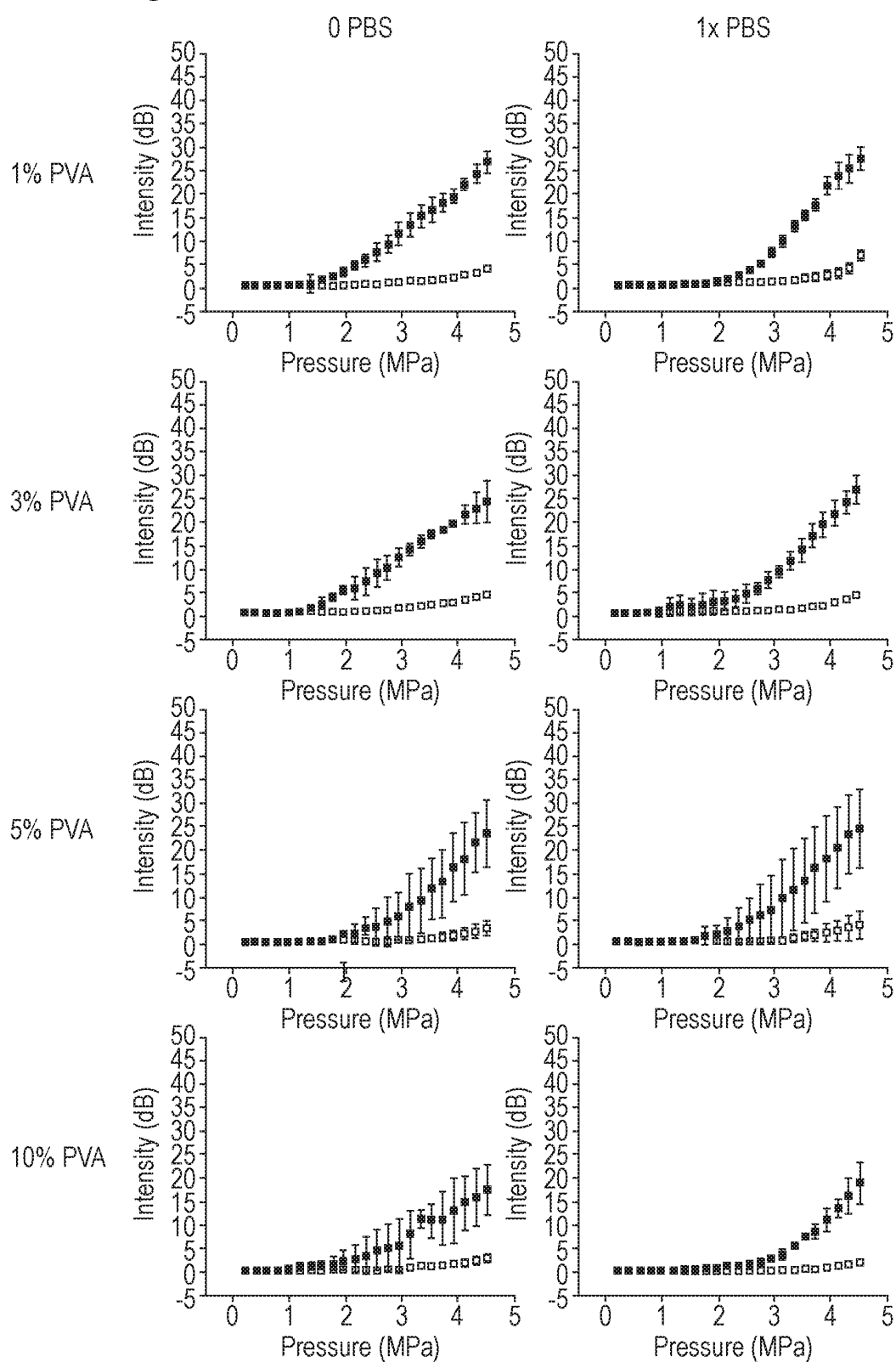


Fig. 4



4/29

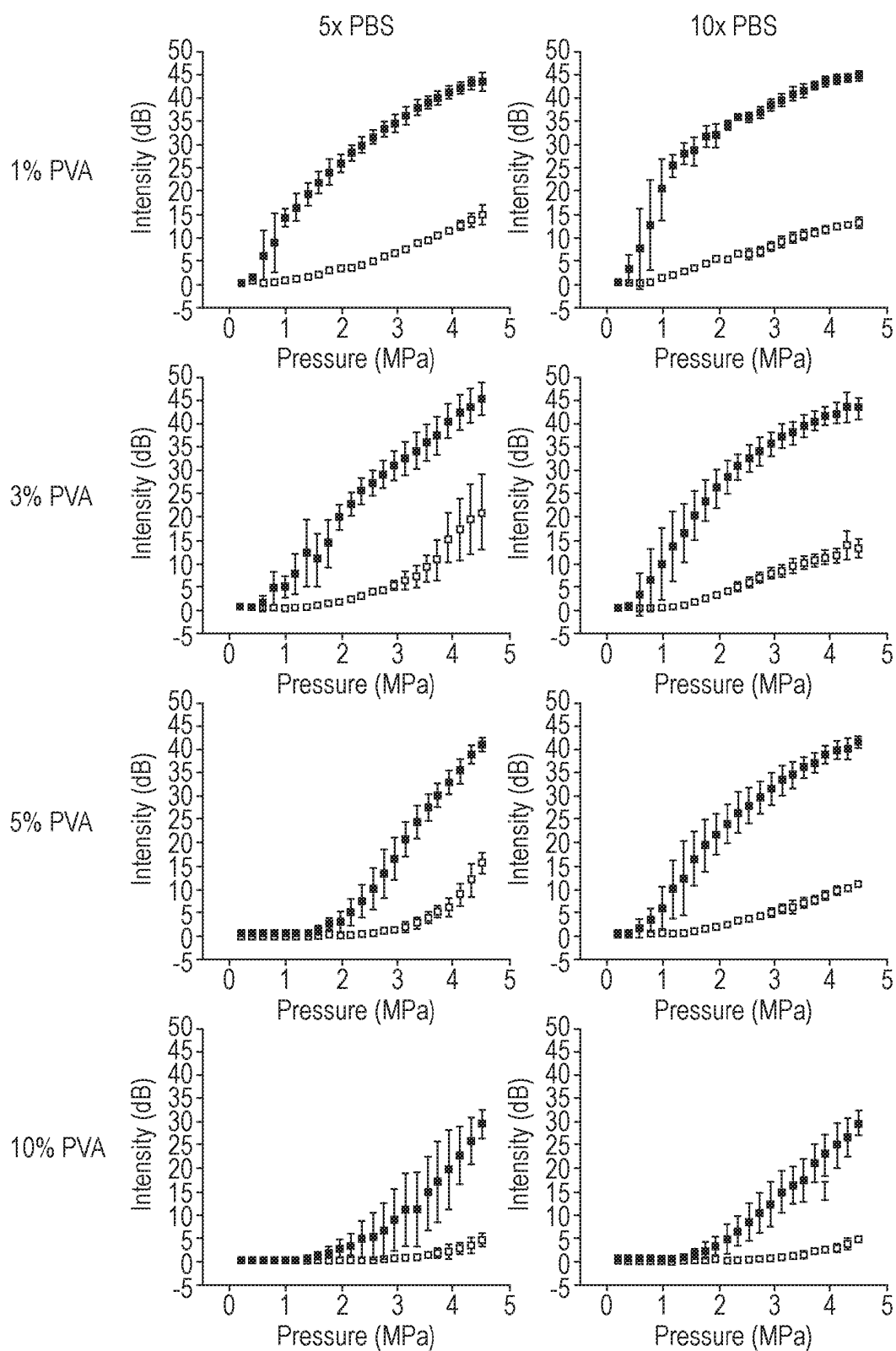
Fig. 5



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5/29

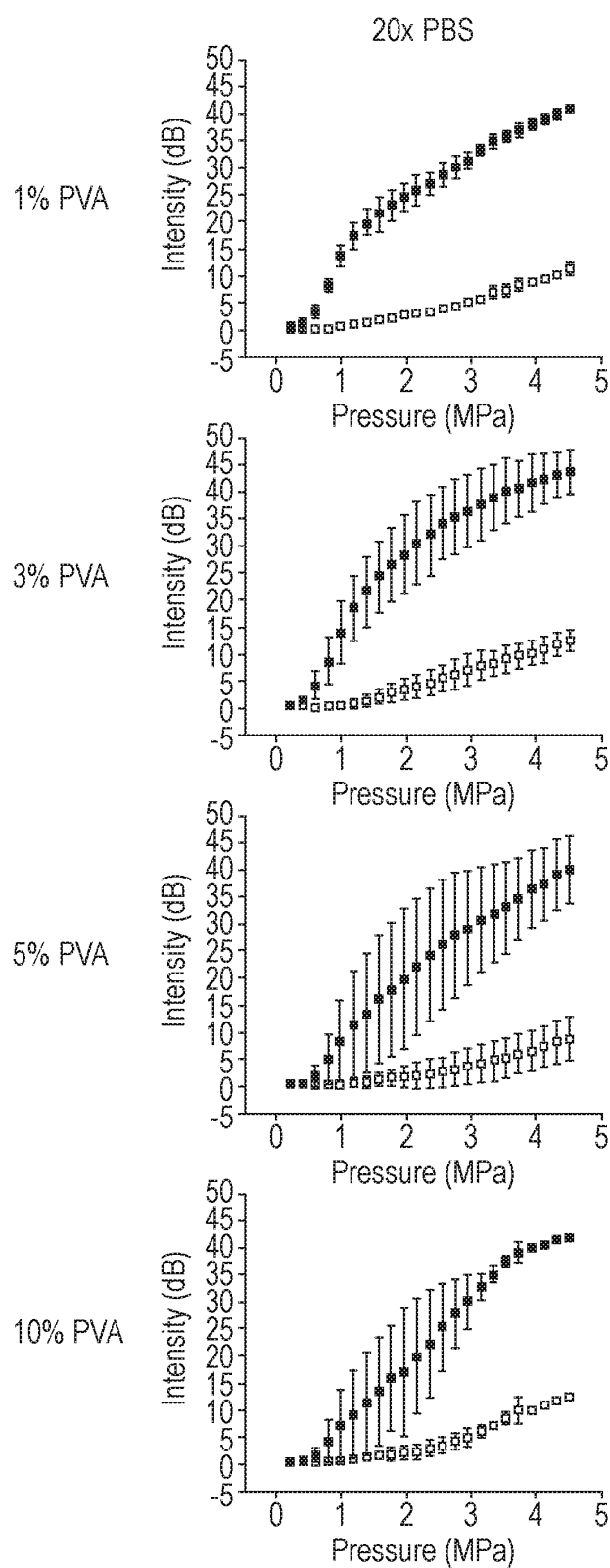
Fig. 5 (Cont. I)



SUBSTITUTE SHEET (RULE 26)

6/29

Fig. 5 (Cont. II)



7/29

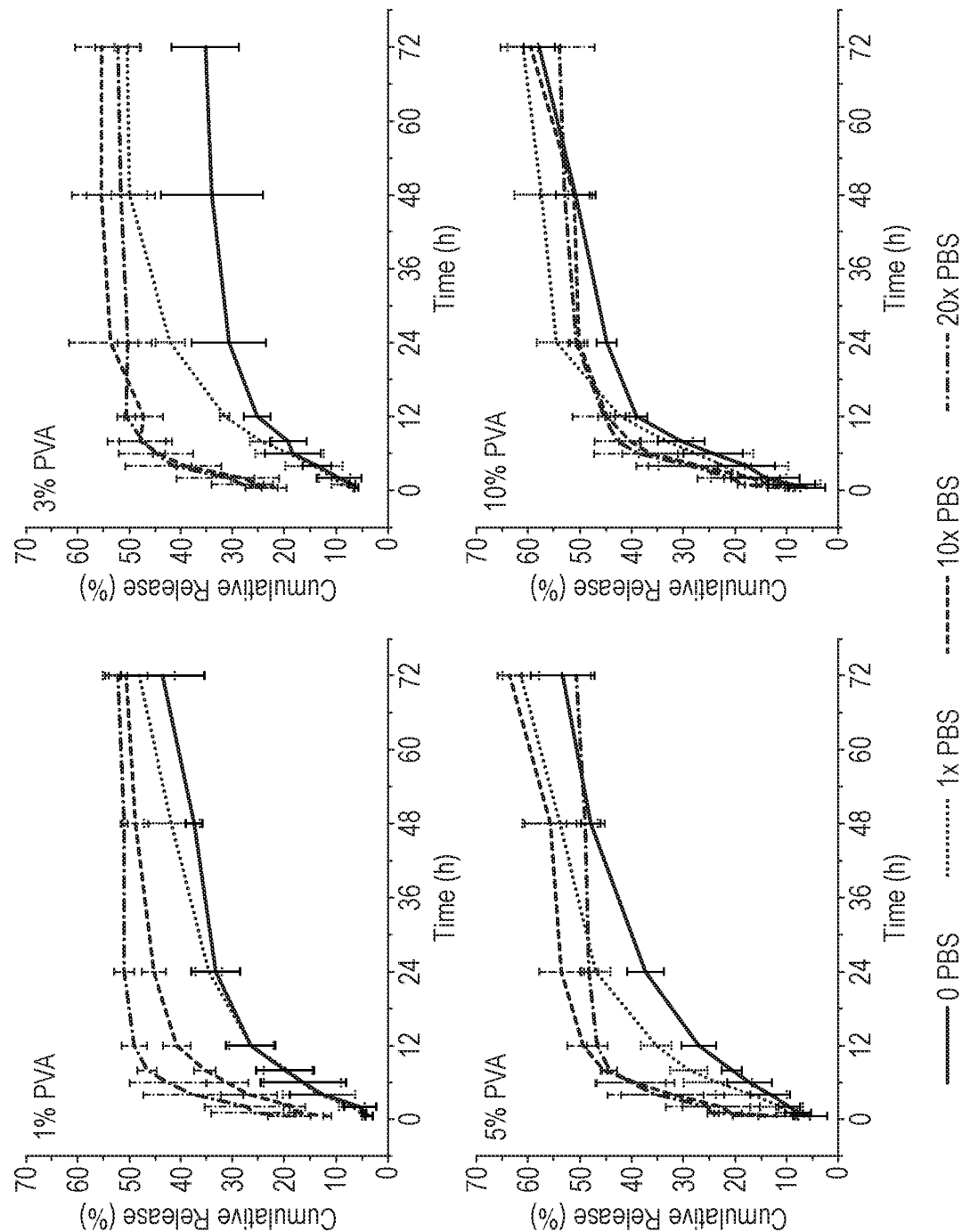


Fig. 6

Fig. 7

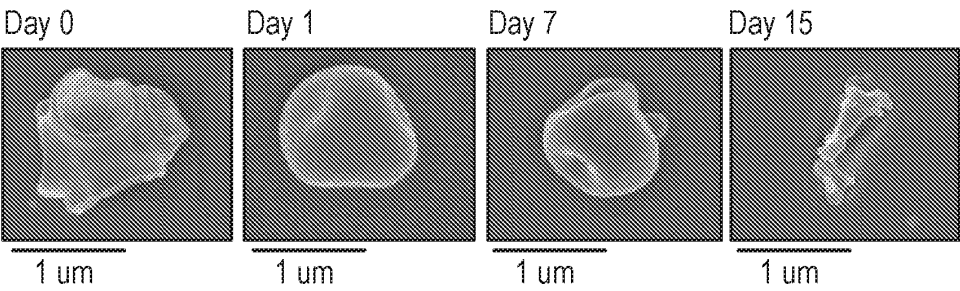
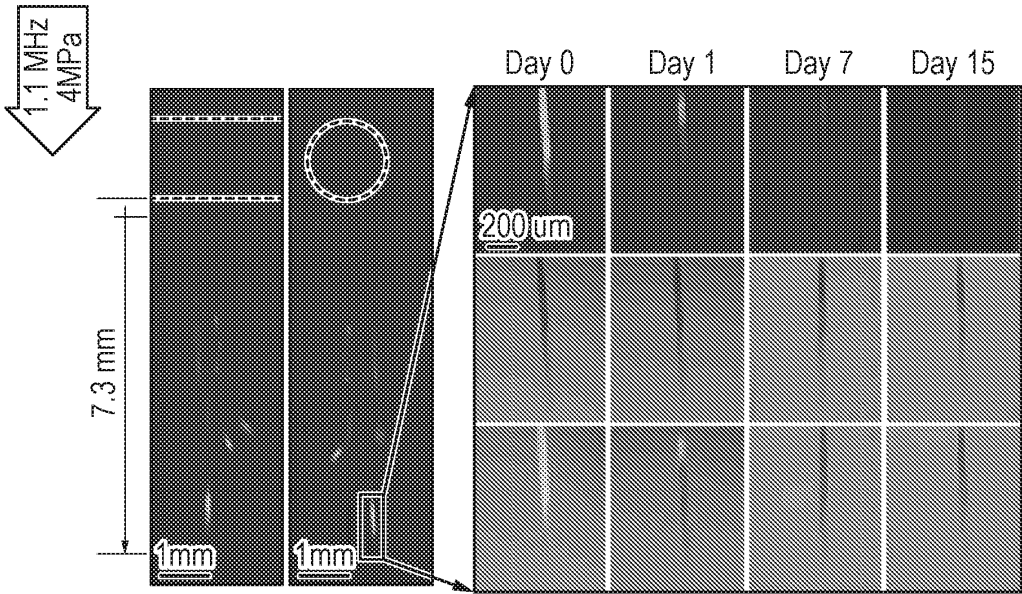


Fig. 8



9/29

Fig. 9

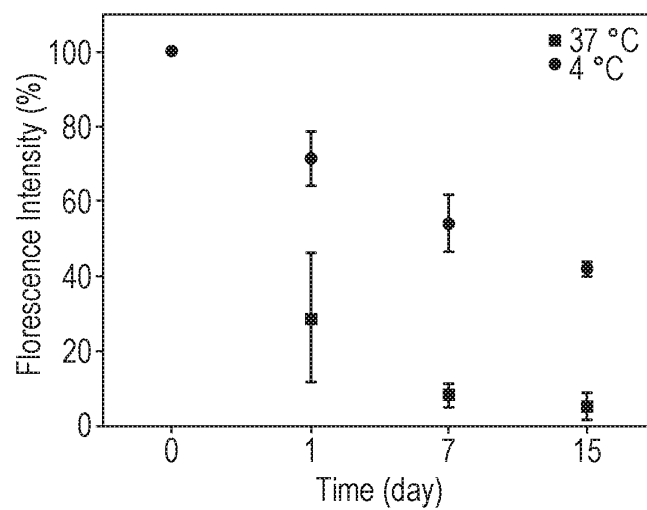


Fig. 10

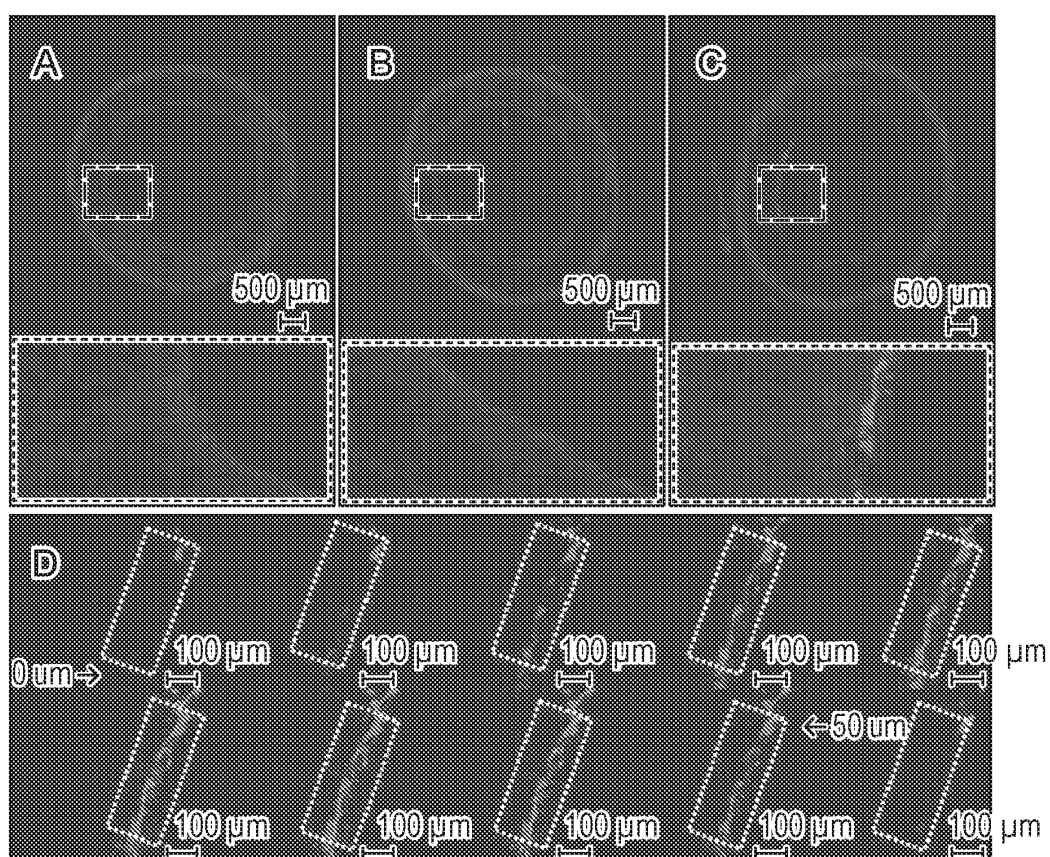
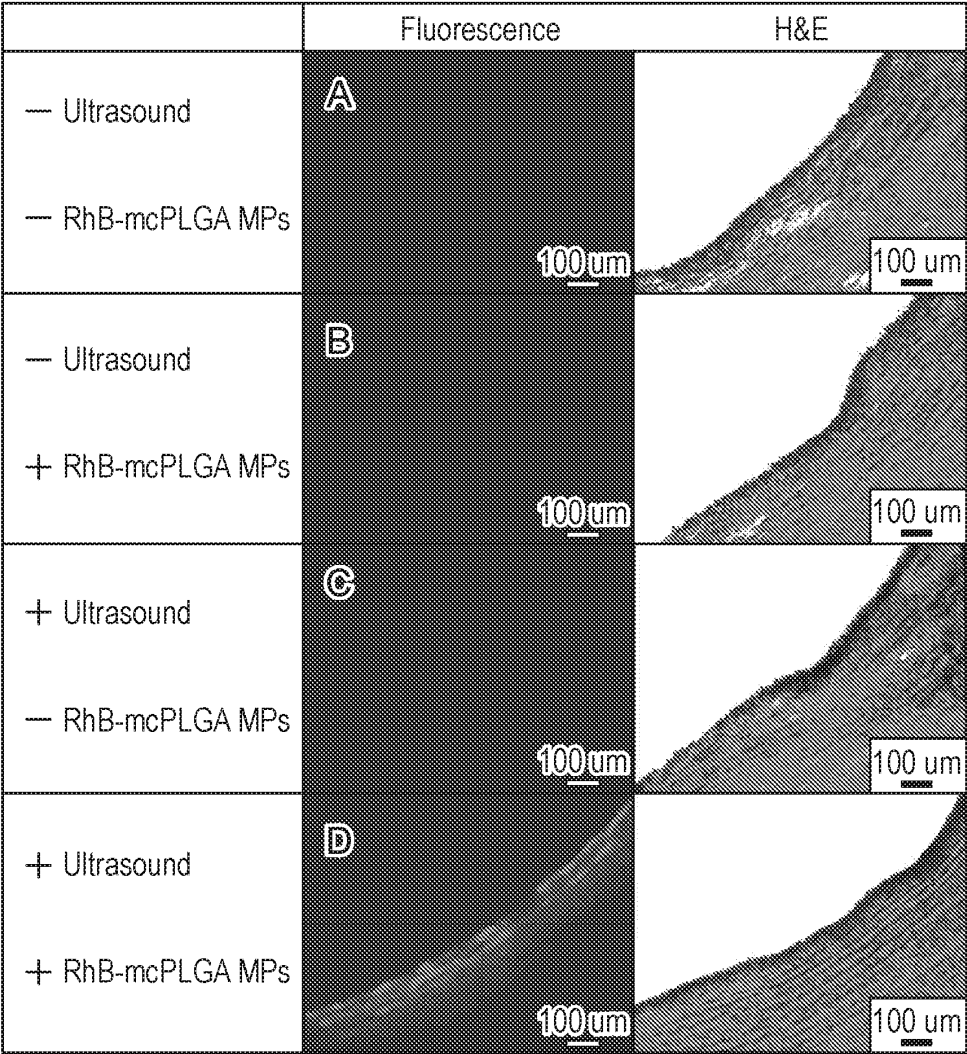


Fig. 11



11/29

Fig. 12

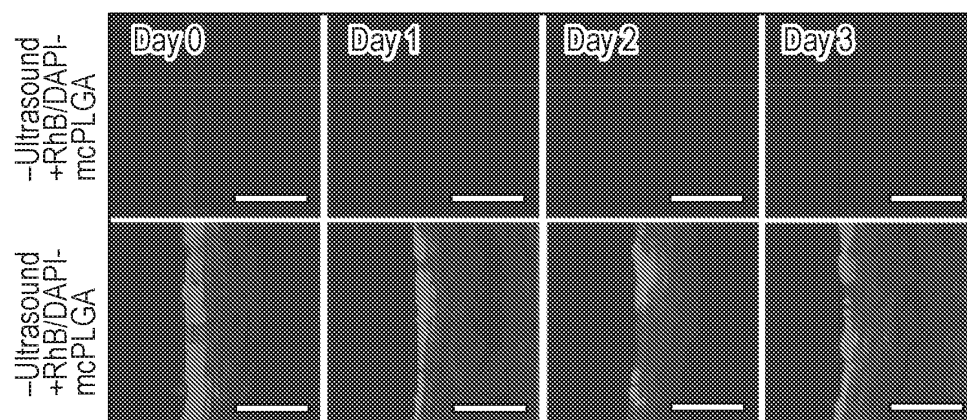
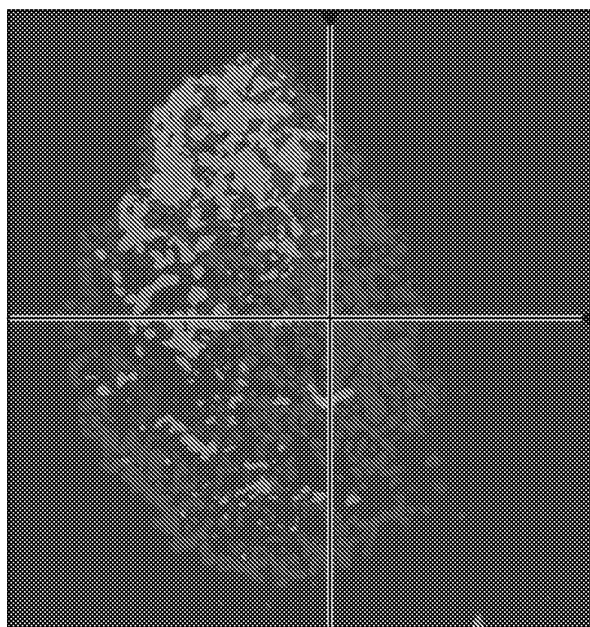


Fig. 13



12/29

Fig. 14

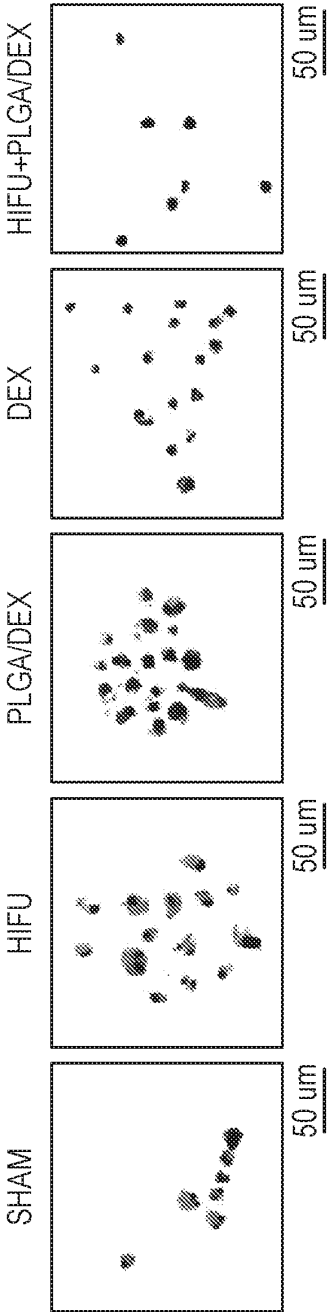
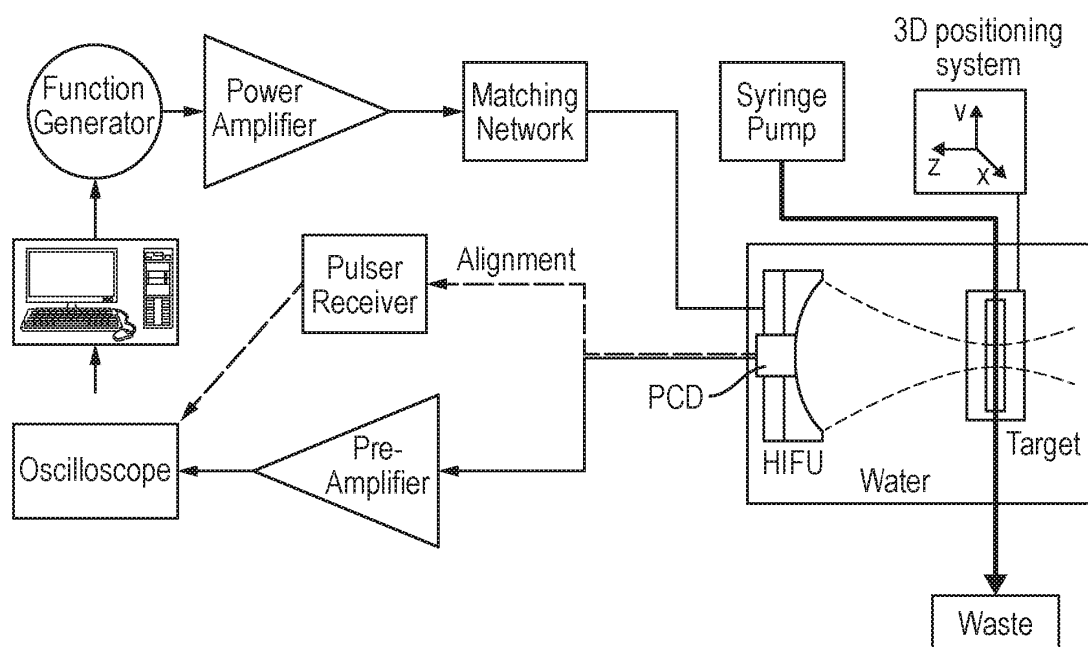
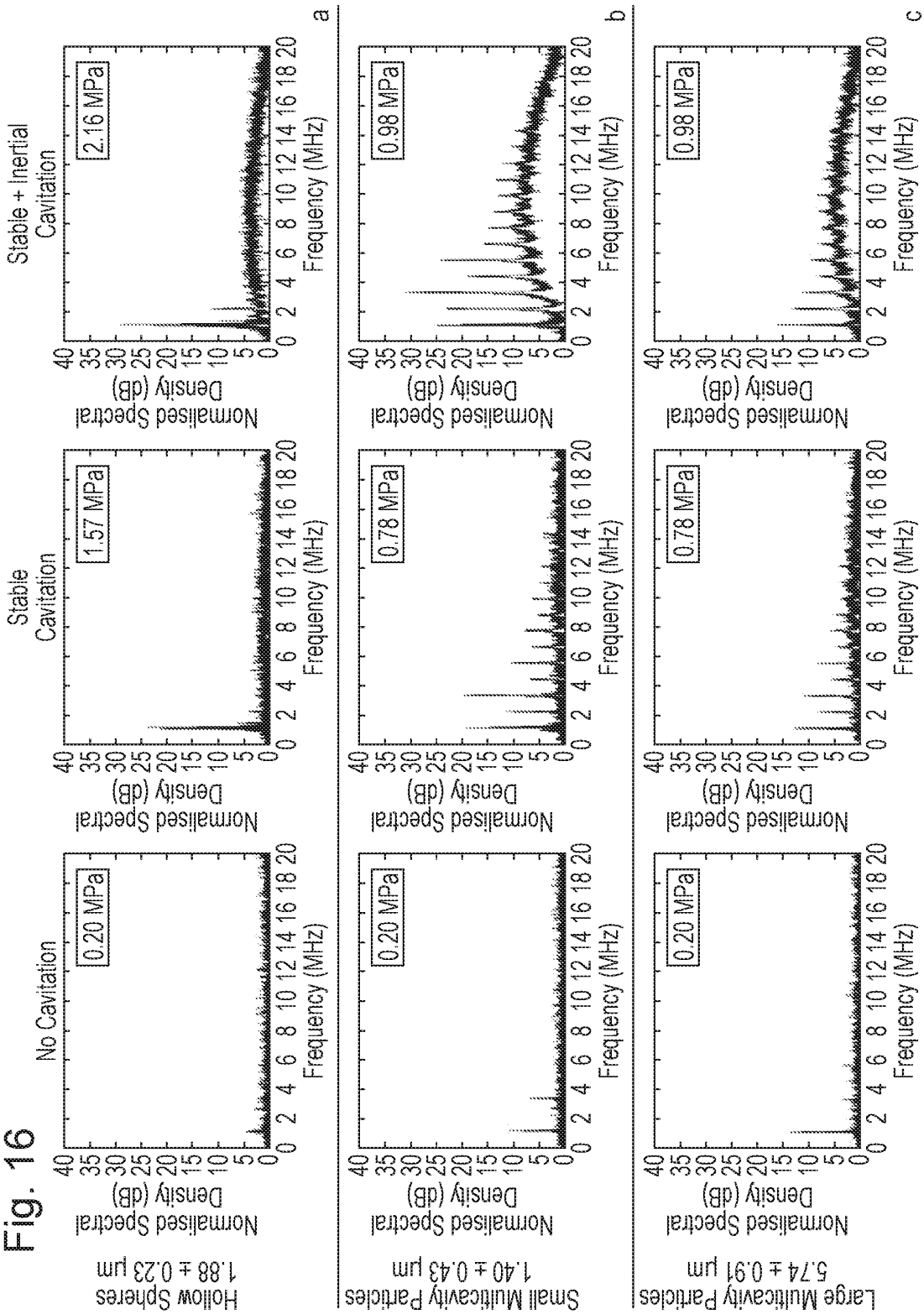


Fig. 15

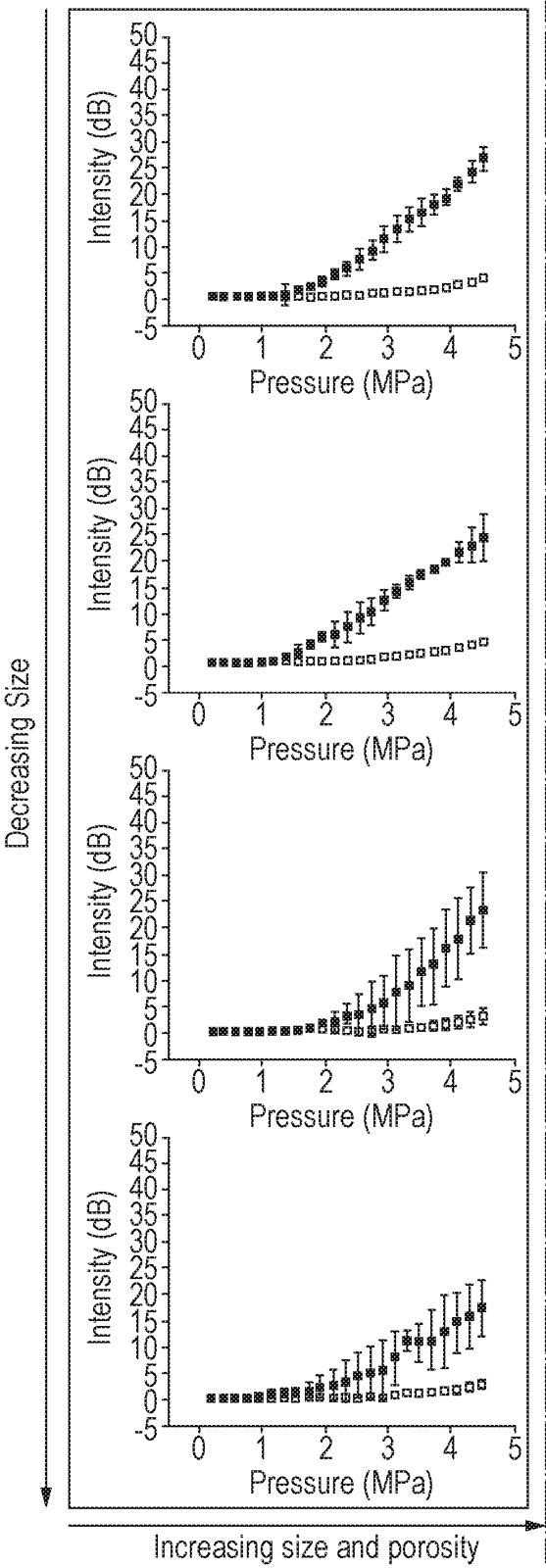




15/29

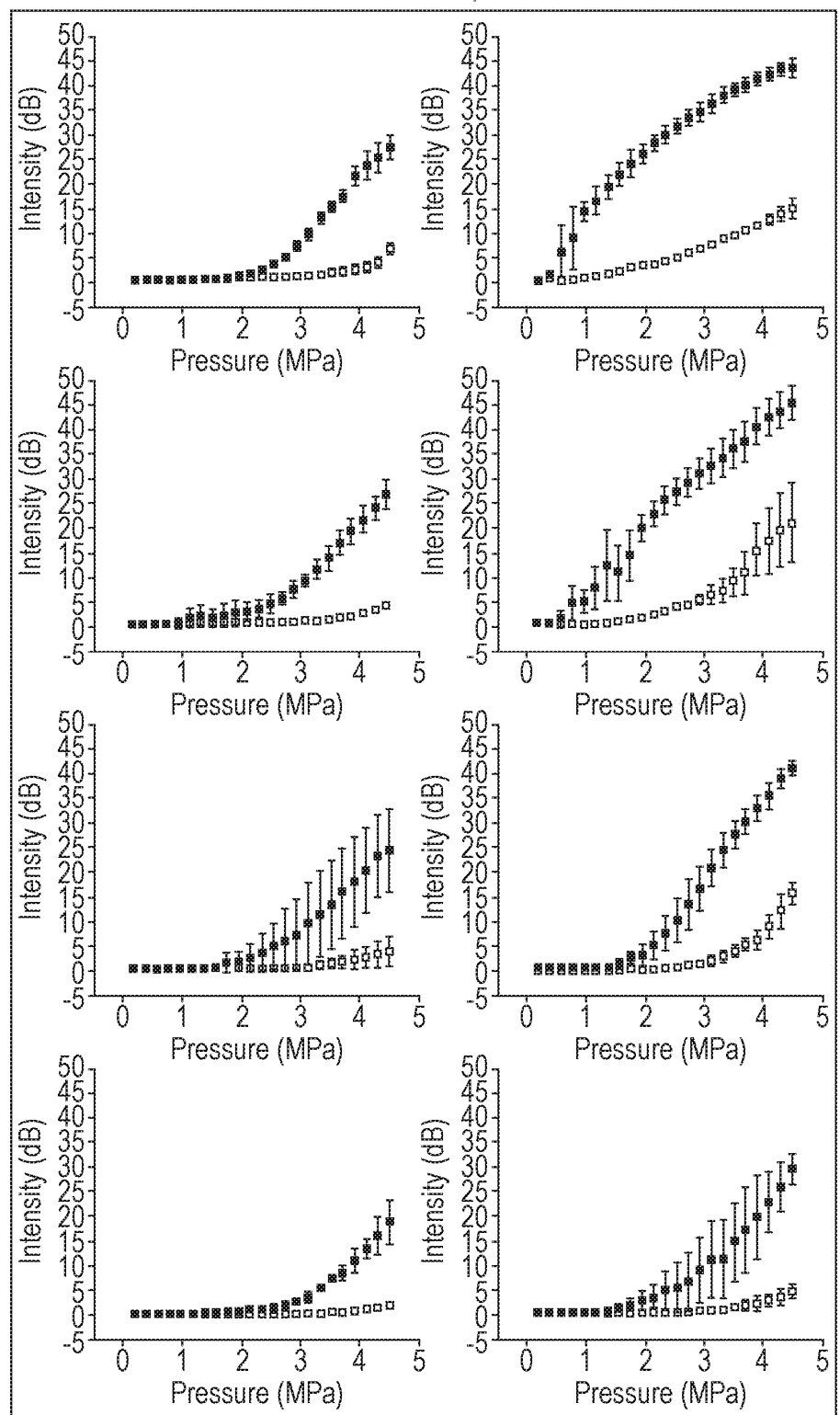
Fig. 17

a) Nonporous Hollow Spheres



16/29

Fig. 17 (Cont. I)

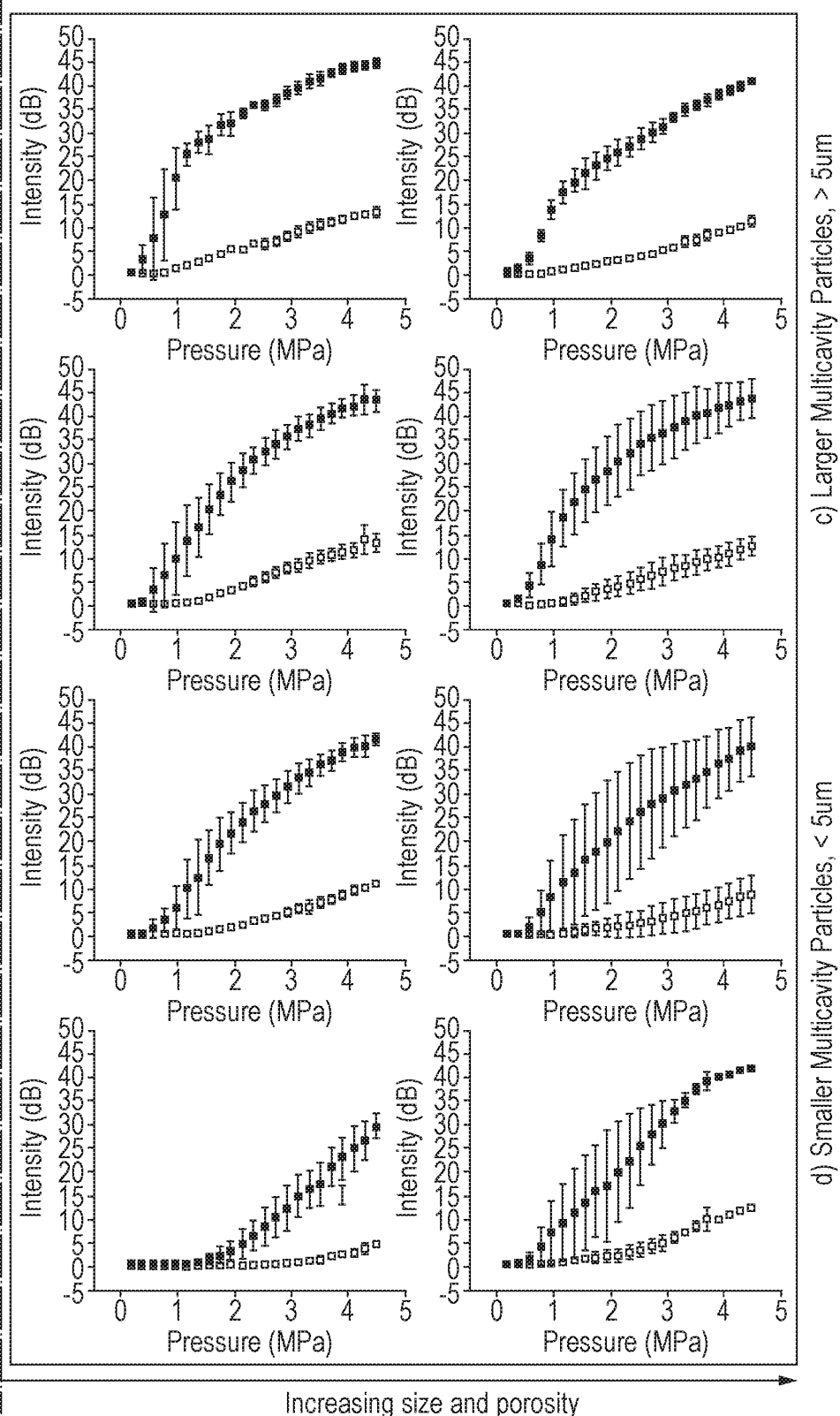
b) Porous Hollow  
Spheres

Increasing size and porosity

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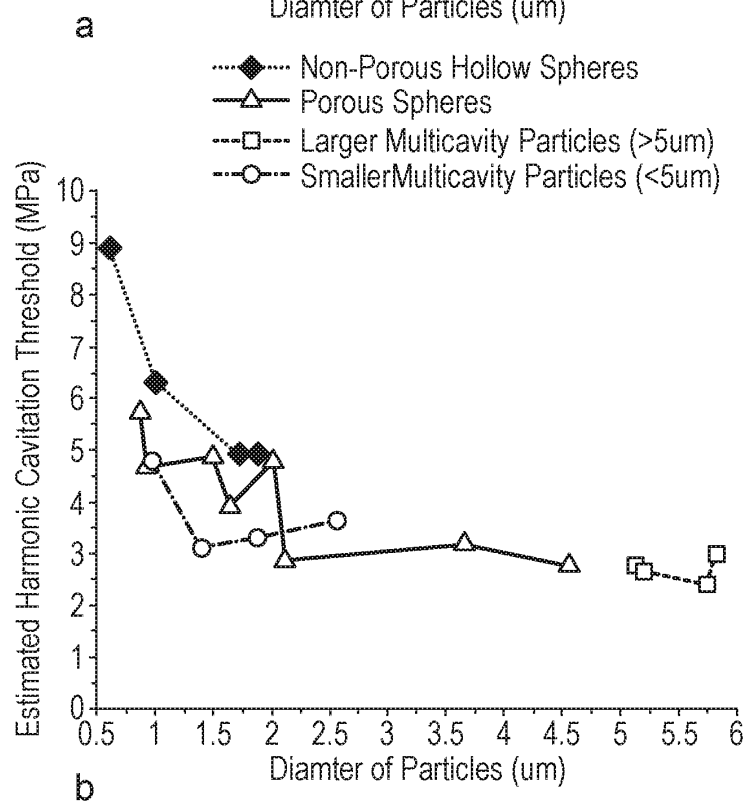
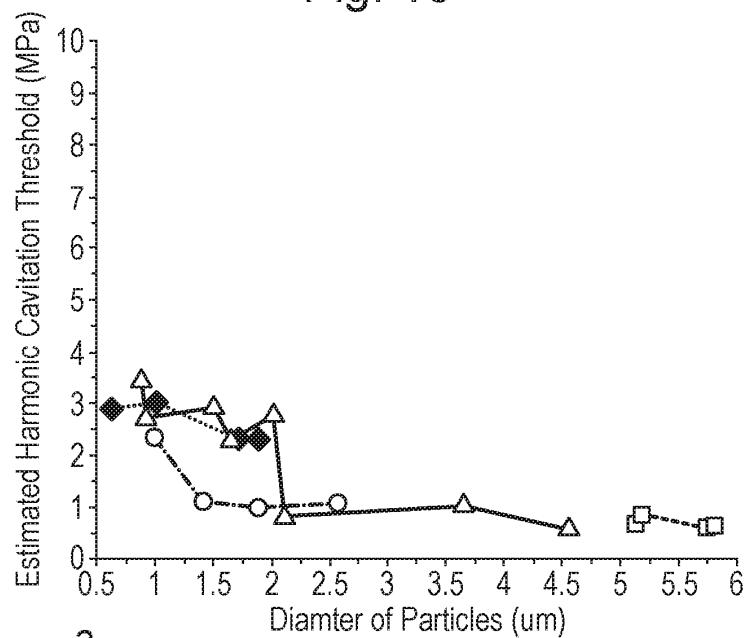
17/29

Fig. 17 (Cont. II)



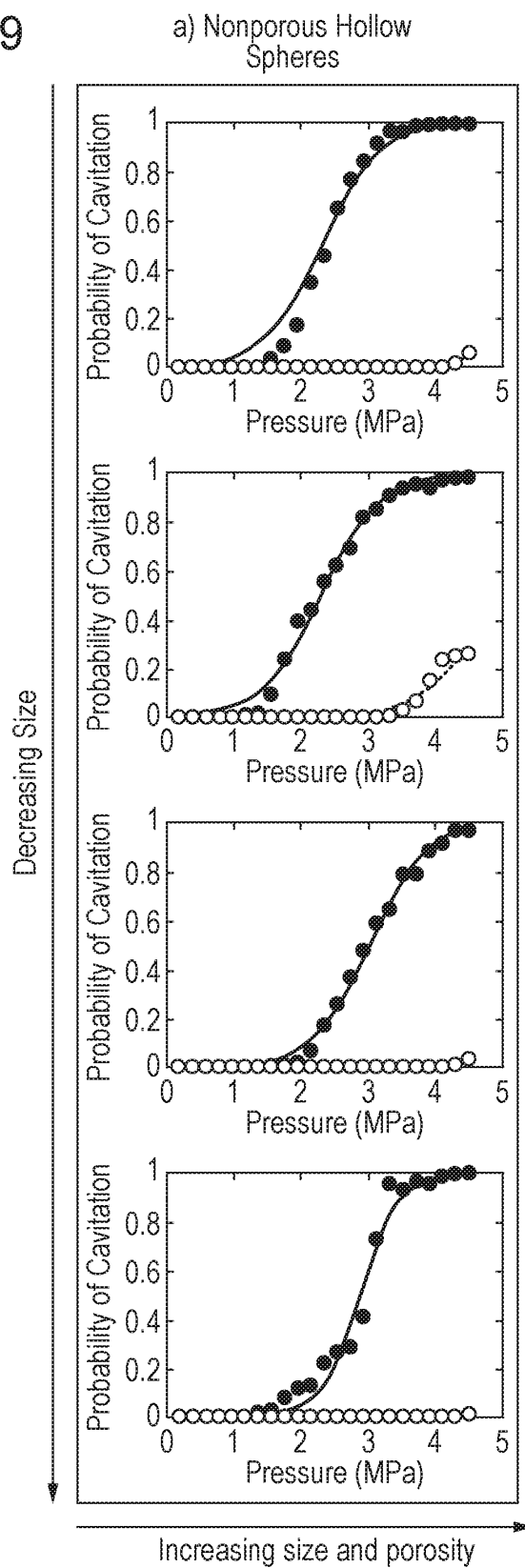
18/29

Fig. 18



19/29

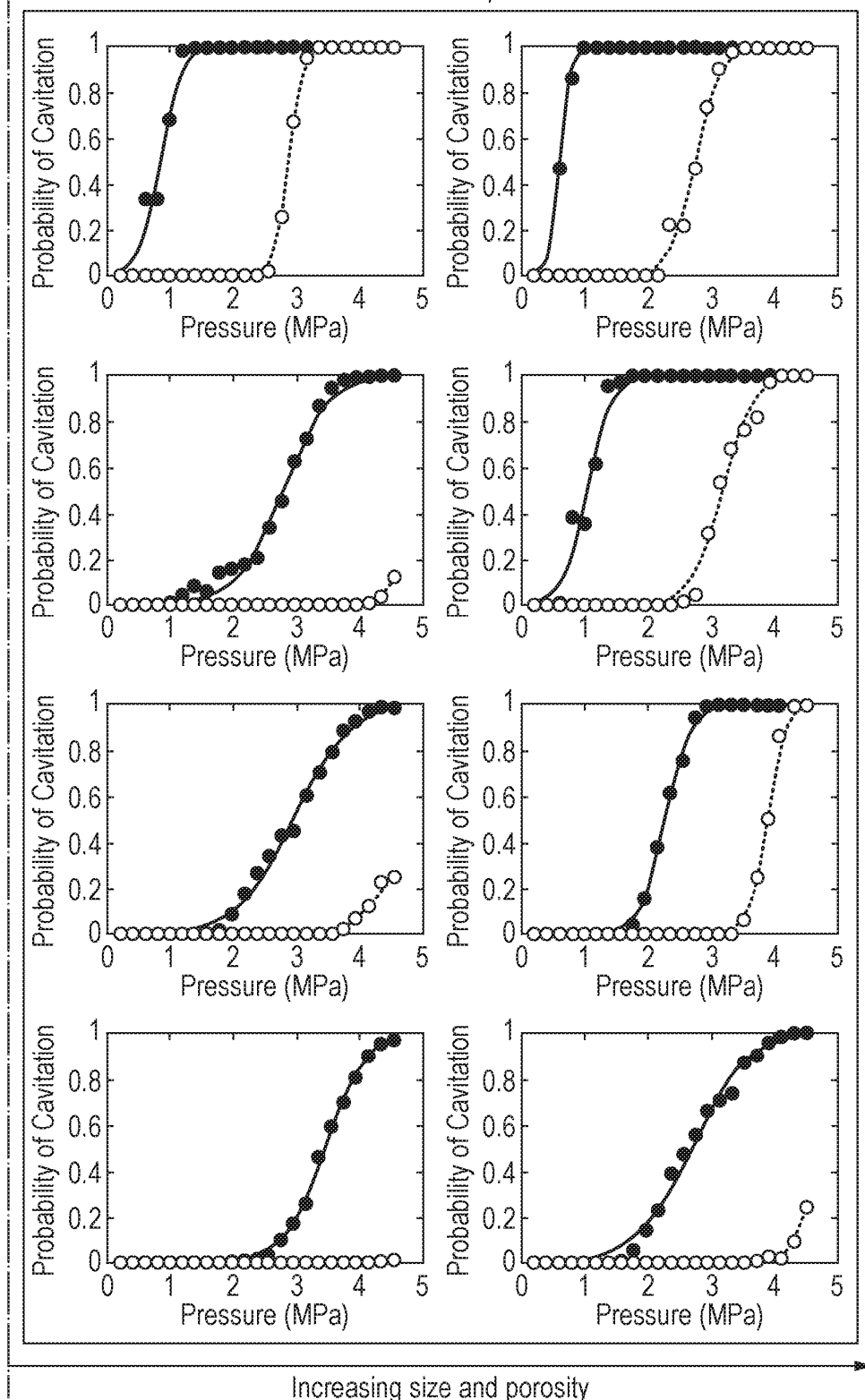
Fig. 19



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20/29

Fig. 19 (Cont. I)

b) Porous Hollow  
Spheres

SUBSTITUTE SHEET (RULE 26)

Fig. 19 (Cont. II)

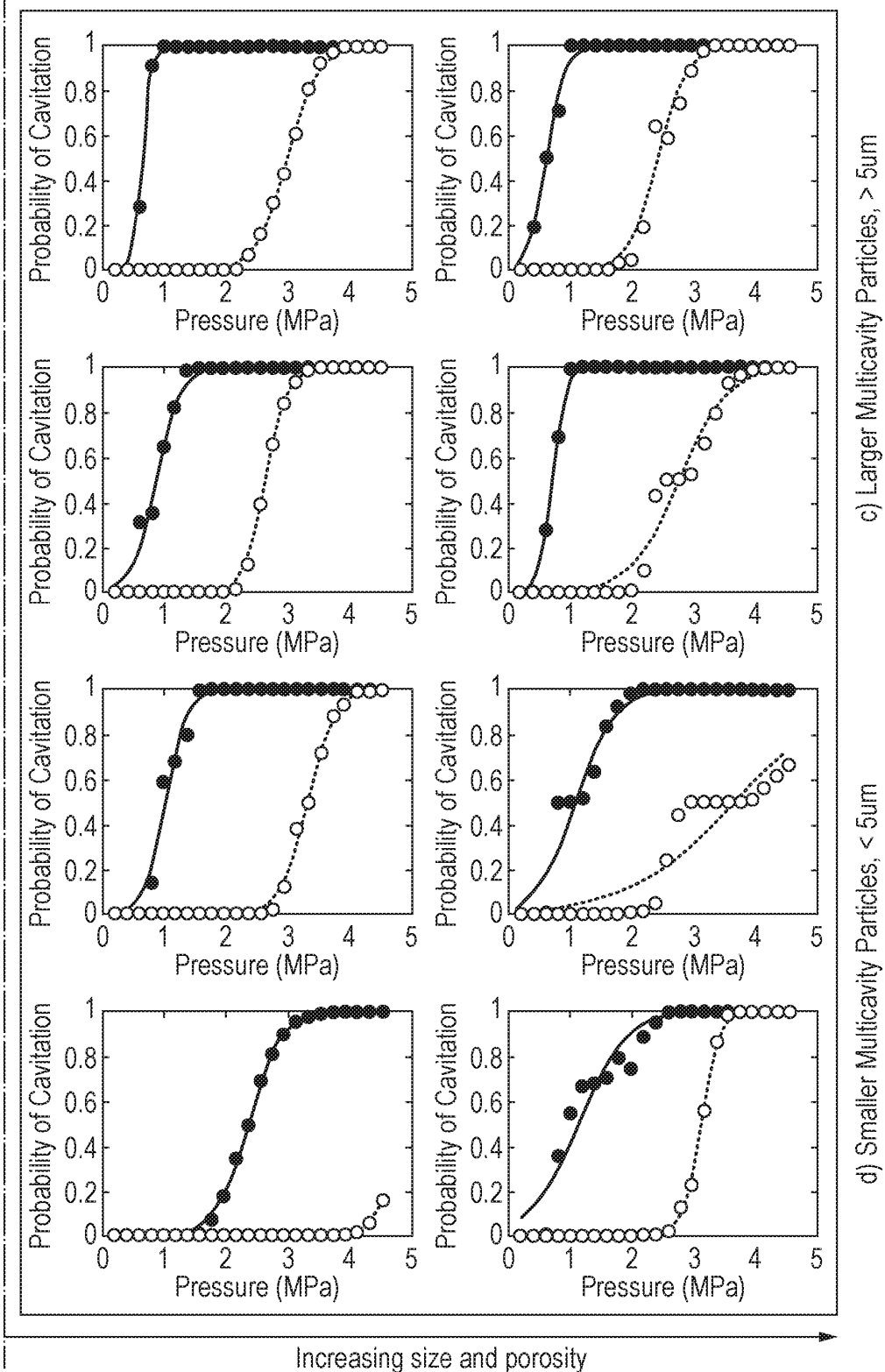


Fig. 20

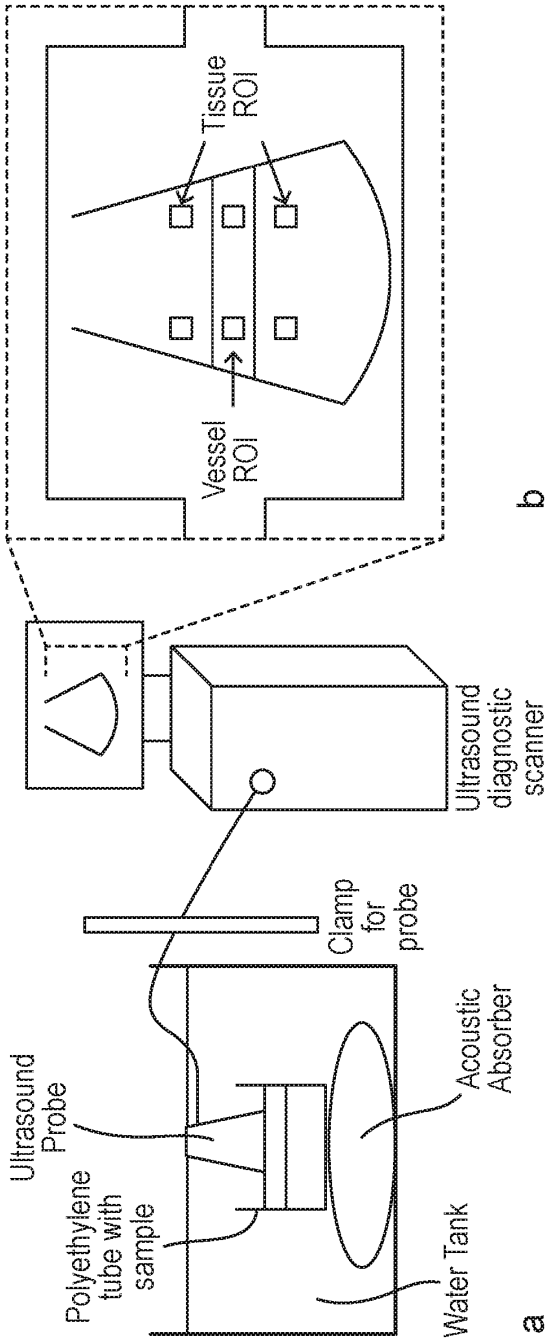


Fig. 21

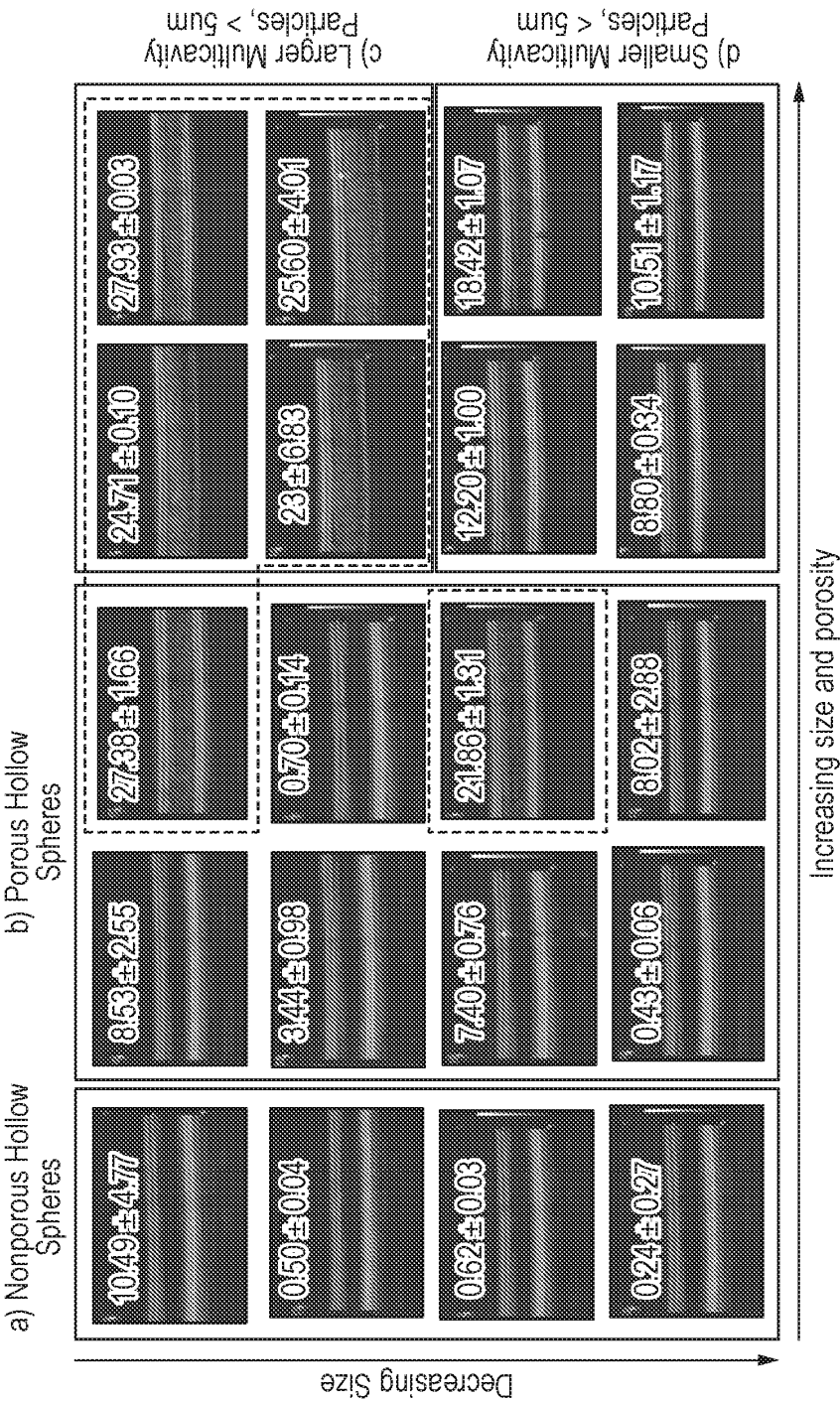


Fig. 22

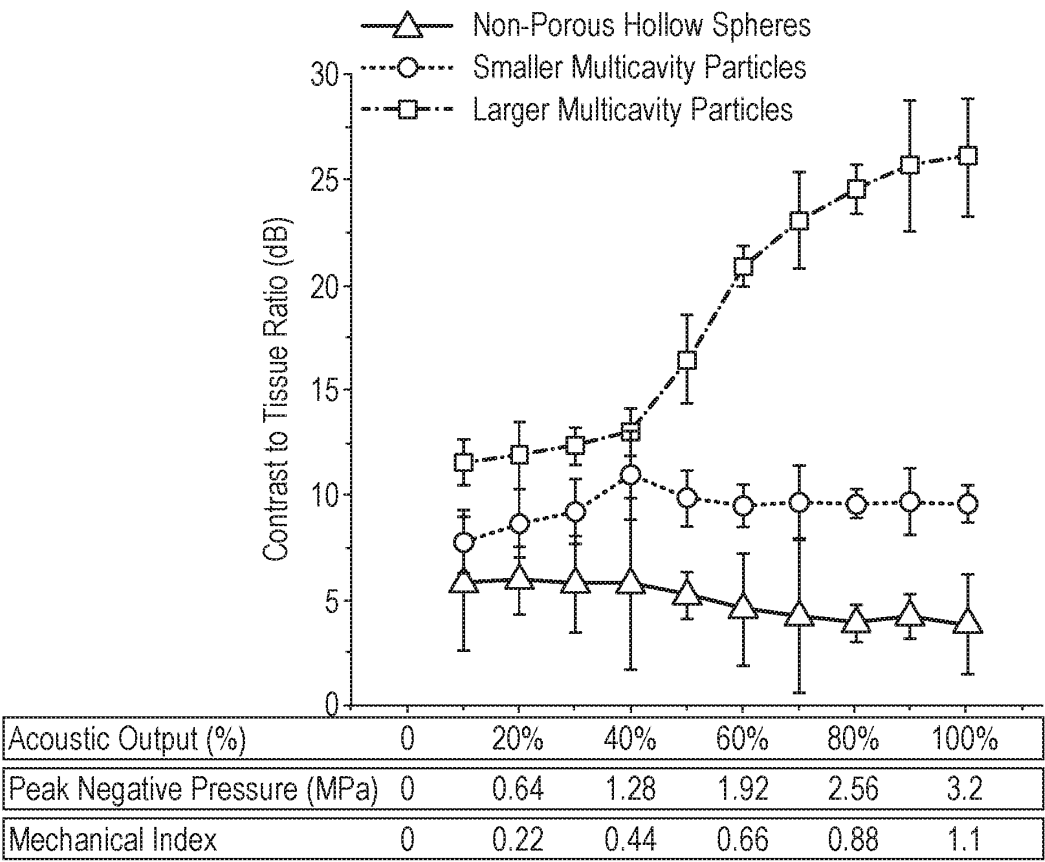
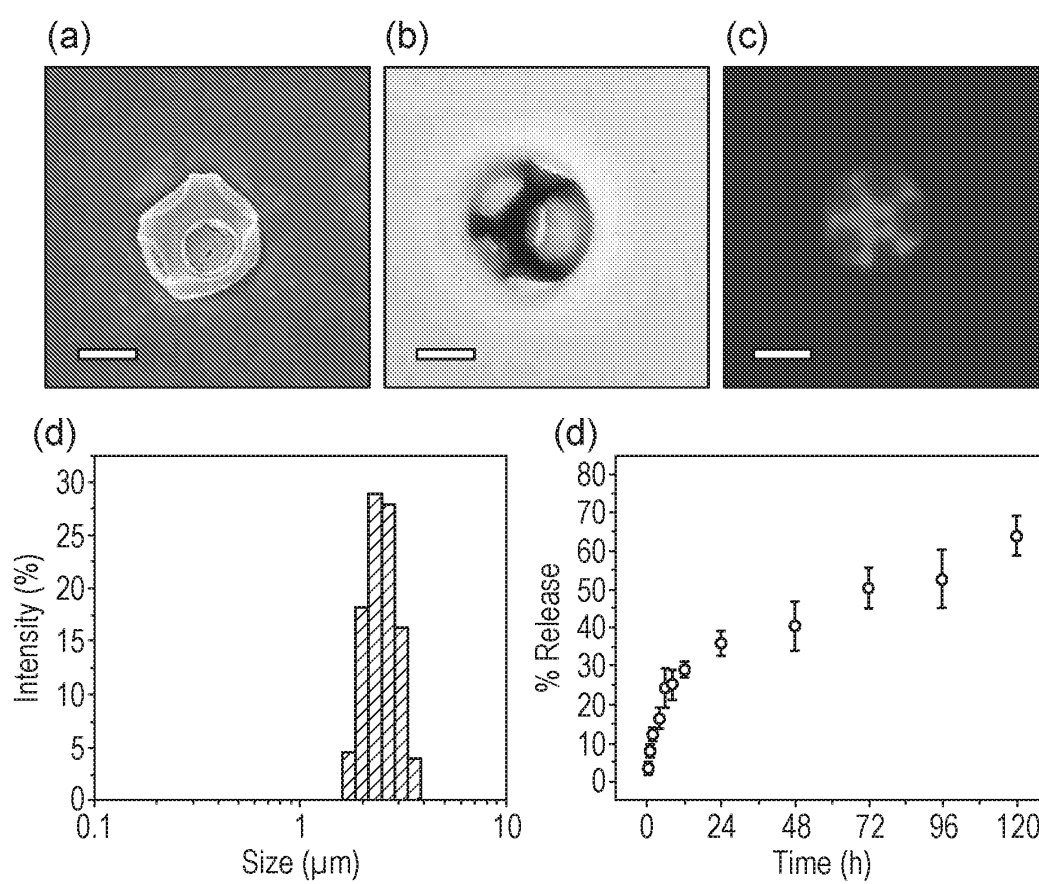


Fig. 23

| PVA/PBS | 0%           | 1%            | 5%            | 10%           | 20%           |
|---------|--------------|---------------|---------------|---------------|---------------|
| 1%      | CTIR 0.18 dB | CTIR 6.33 dB  | CTIR 35.23 dB | CTIR 49.05 dB | CTIR 49.45 dB |
| 3%      | CTIR 0.43 dB | CTIR -0.05 dB | CTIR 14.70 dB | CTIR 4.13 dB  | CTIR 5.21 dB  |
| 5%      | CTIR 0.80 dB | CTIR 0.79 dB  | CTIR 15.04 dB | CTIR 13.94 dB | CTIR 13.81 dB |
| 10%     | CTIR 0.66 dB | CTIR 0.11 dB  | CTIR 1.03 dB  | CTIR 4 dB     | CTIR 1.22 dB  |

26/29

Fig. 24



27/29

Fig. 25

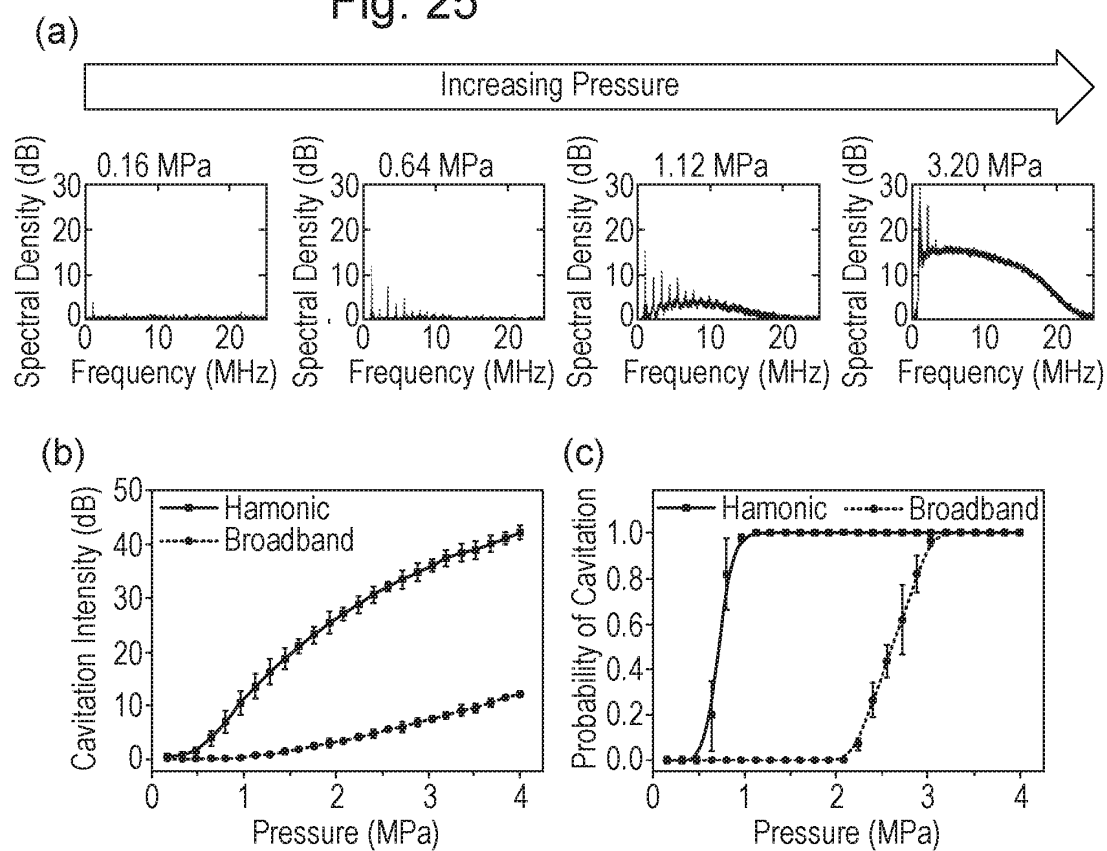
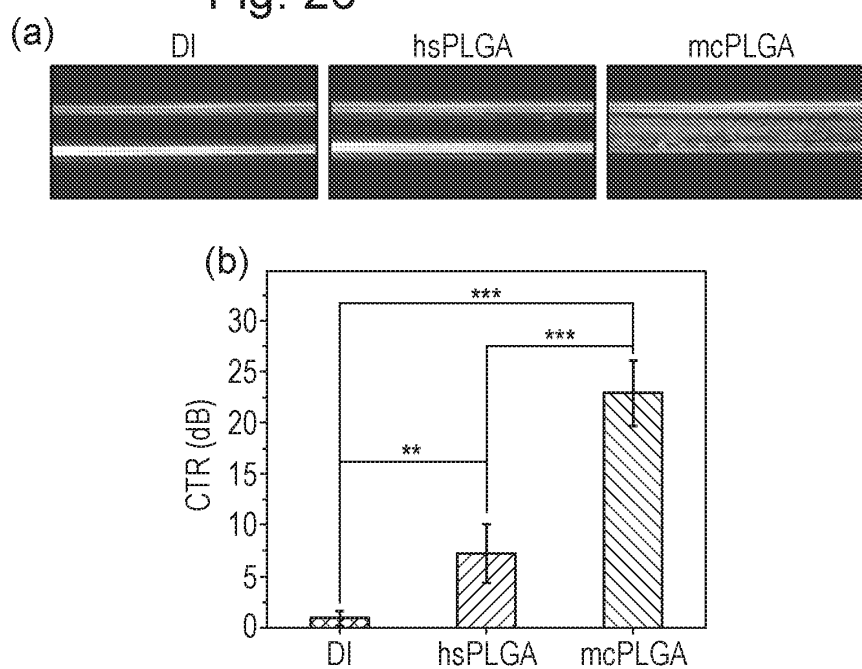


Fig. 26



28/29

Fig. 27

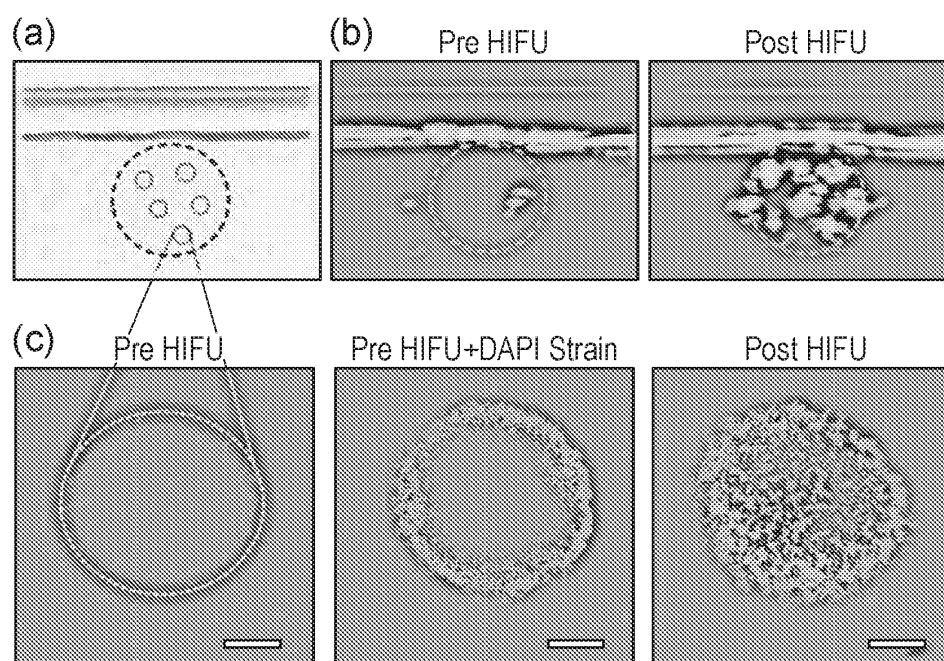


Fig. 28

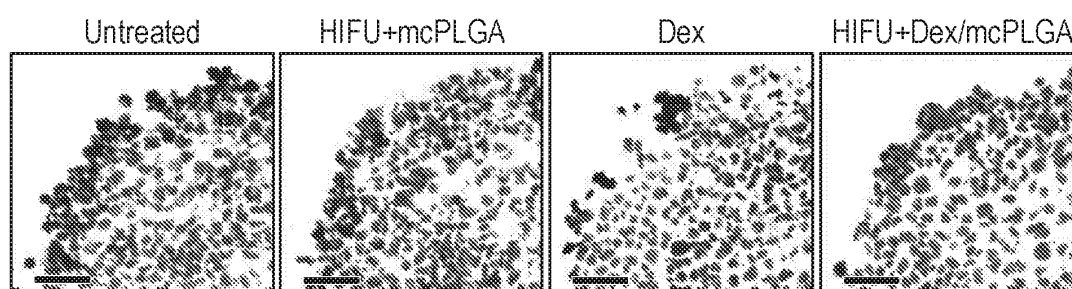


Fig. 28

