

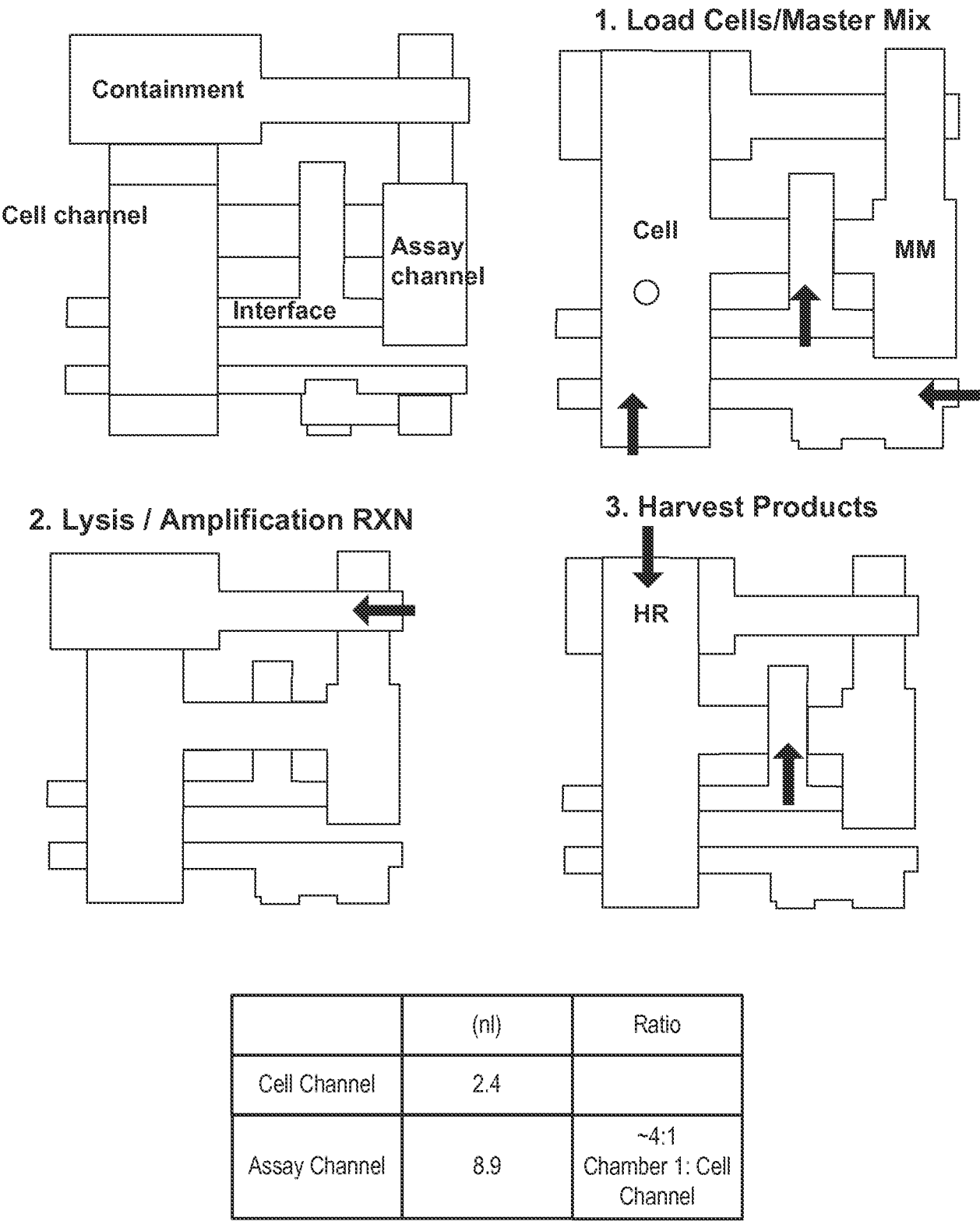
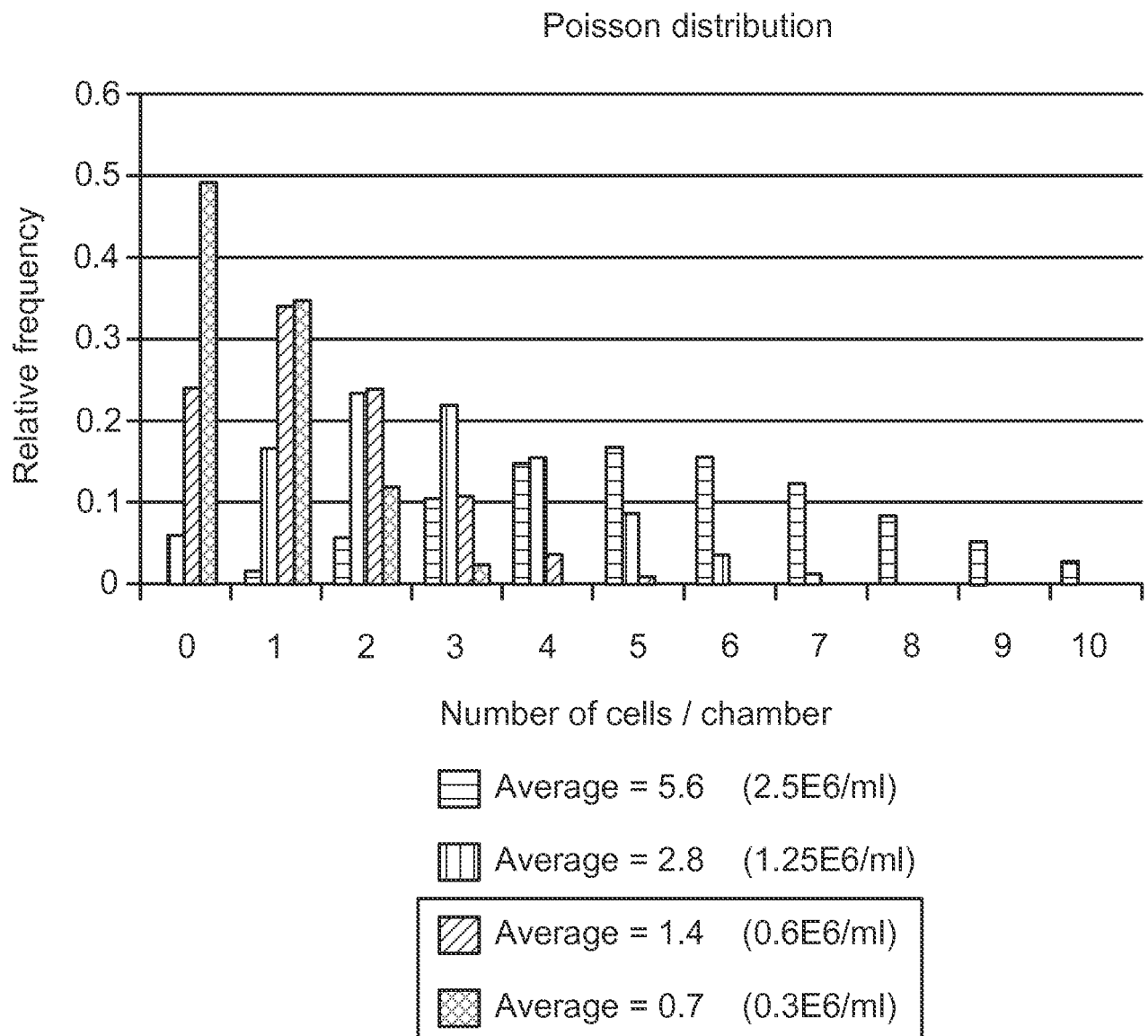


FIG. 1

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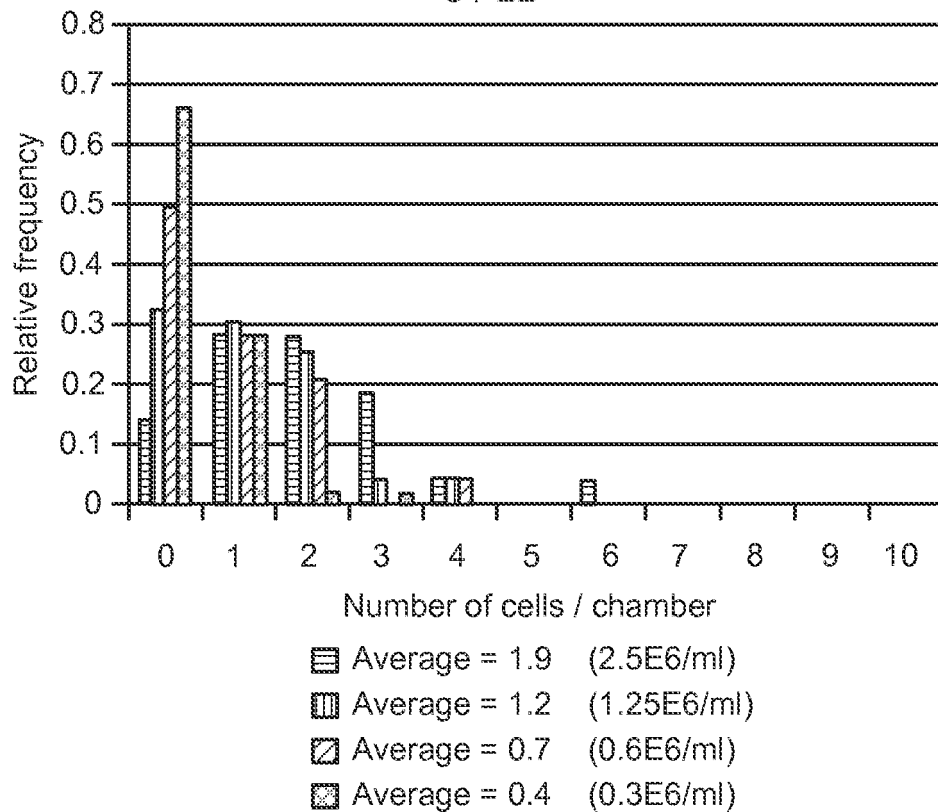


The “best” theoretical cell density for single cells:
~1 per chamber on average = $1 / 2.4 \text{ nl} = \sim 0.5\text{E}6/\text{ml}$

FIG. 2

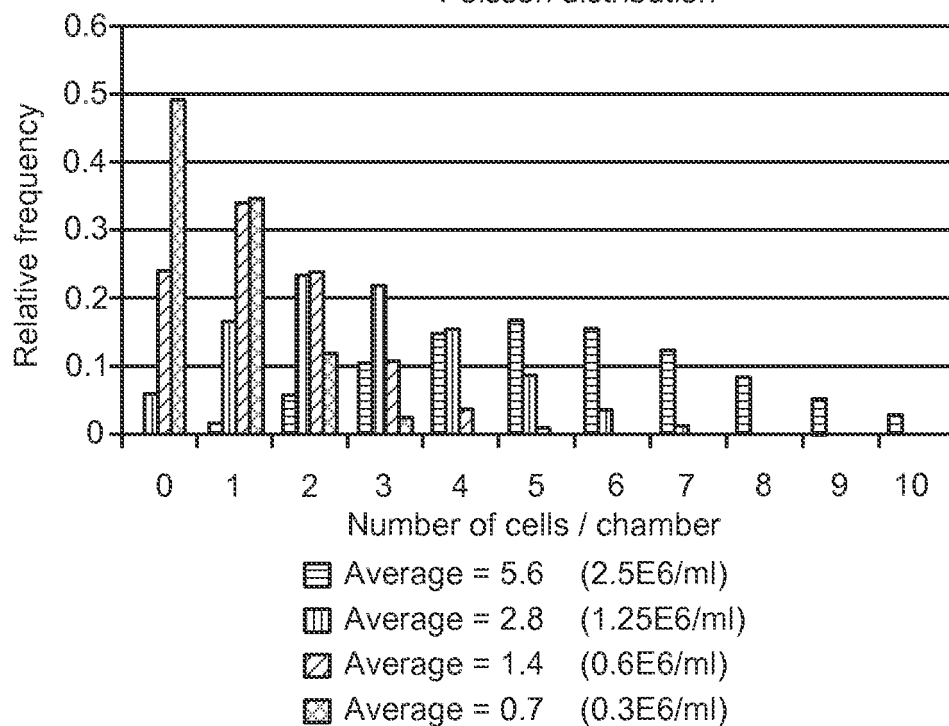
Measured:

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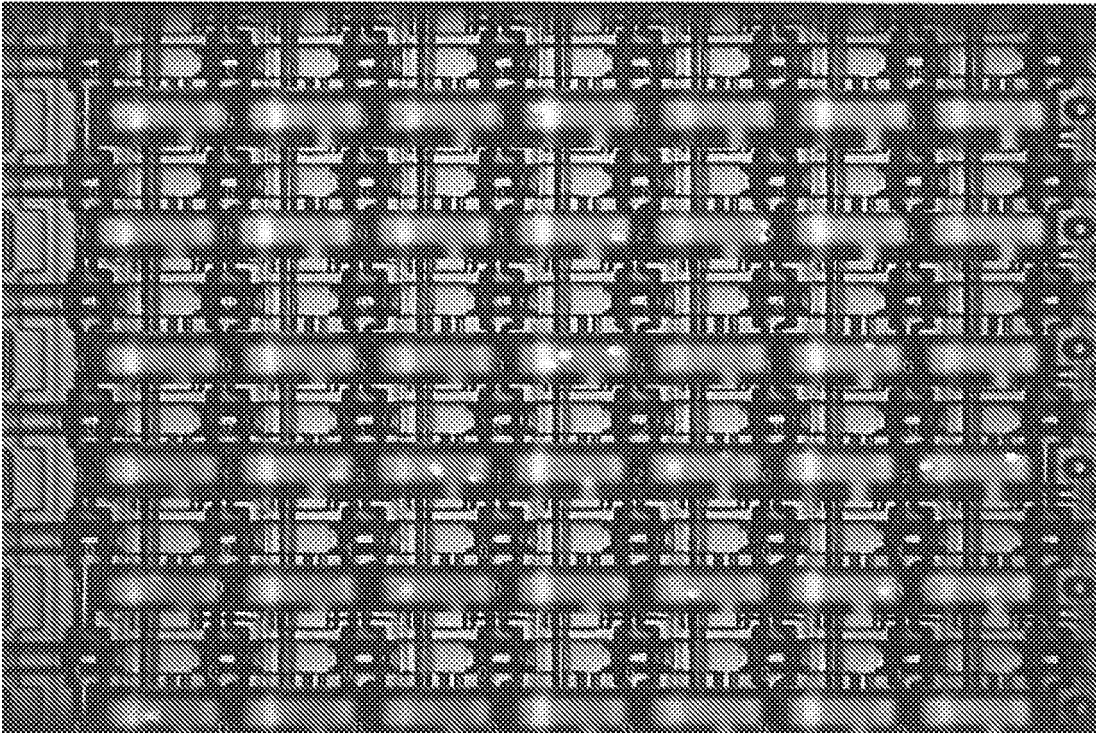
**FIG. 3A**

Theoretical:

Poisson distribution

**FIG. 3B**

0.15E6 /ml
Expect
0-1
chamber

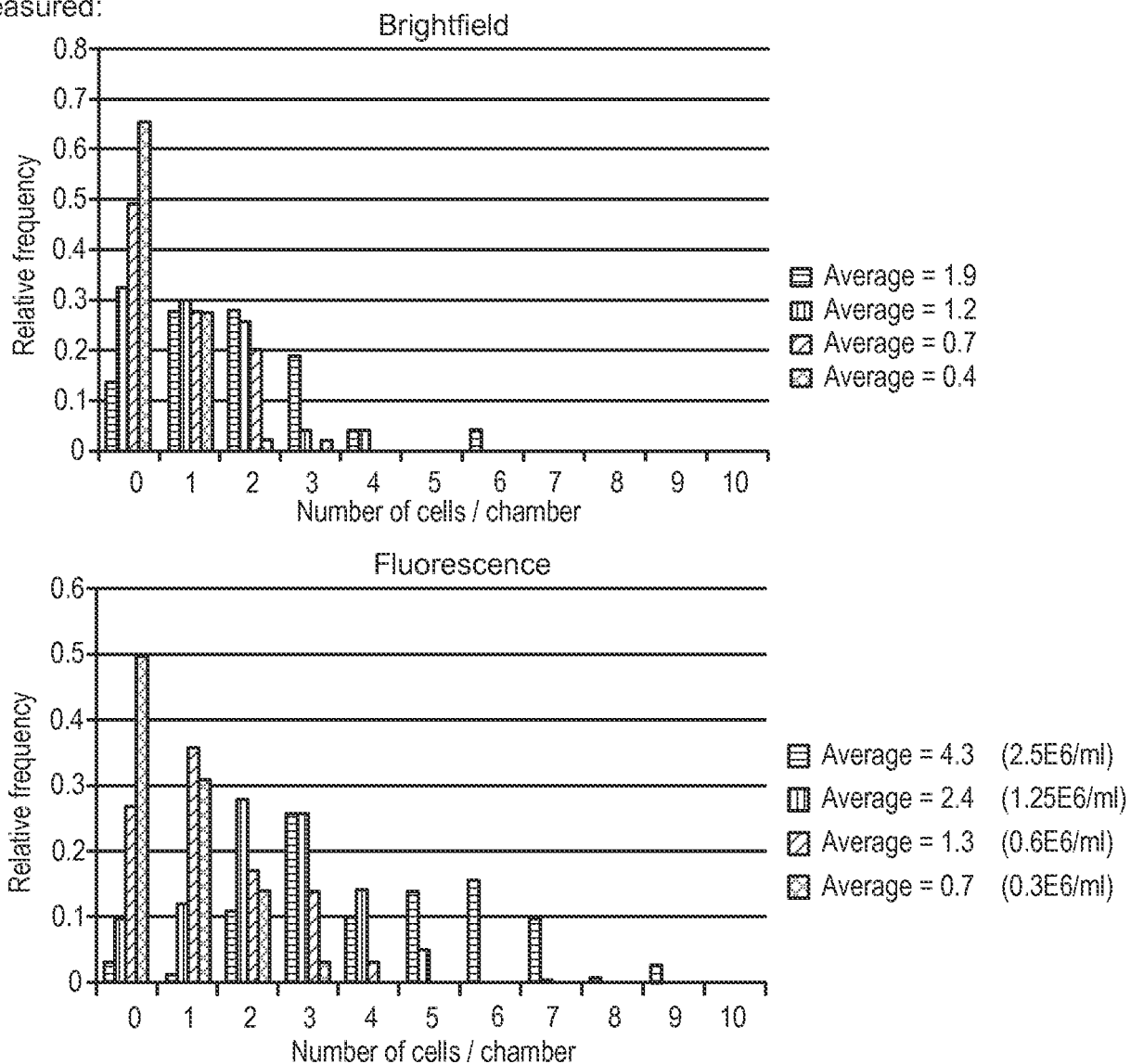


	Brightfield	Fluorescence
Average cells/ chamber	0.29	0.52

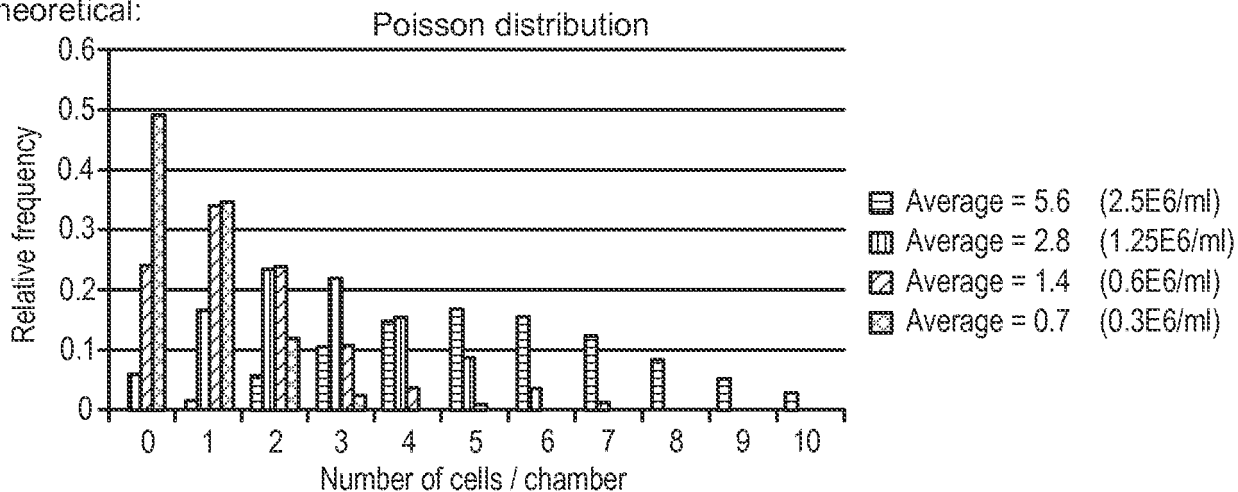
FIG. 4A

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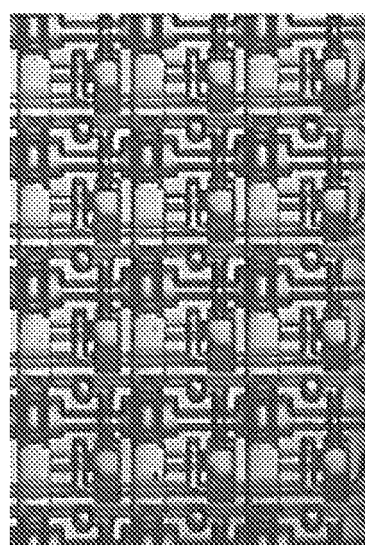
Measured:



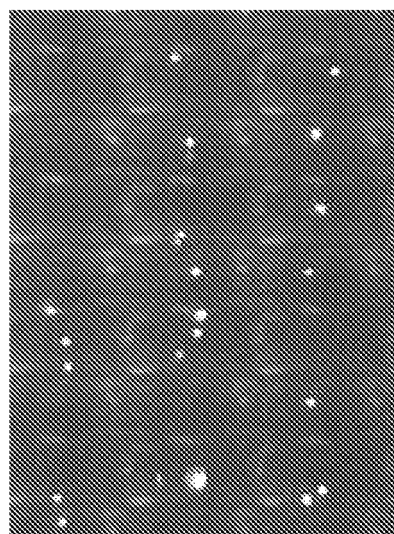
Theoretical:

**FIG. 4B**

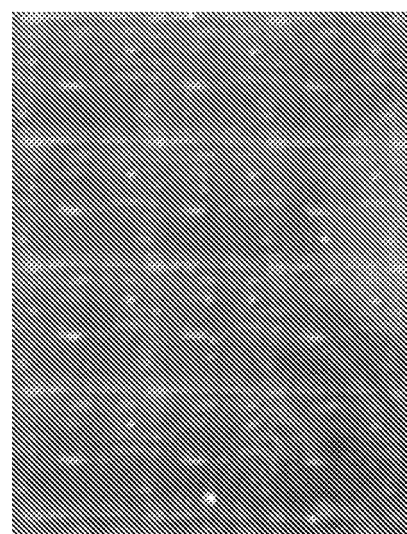
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Brightfield



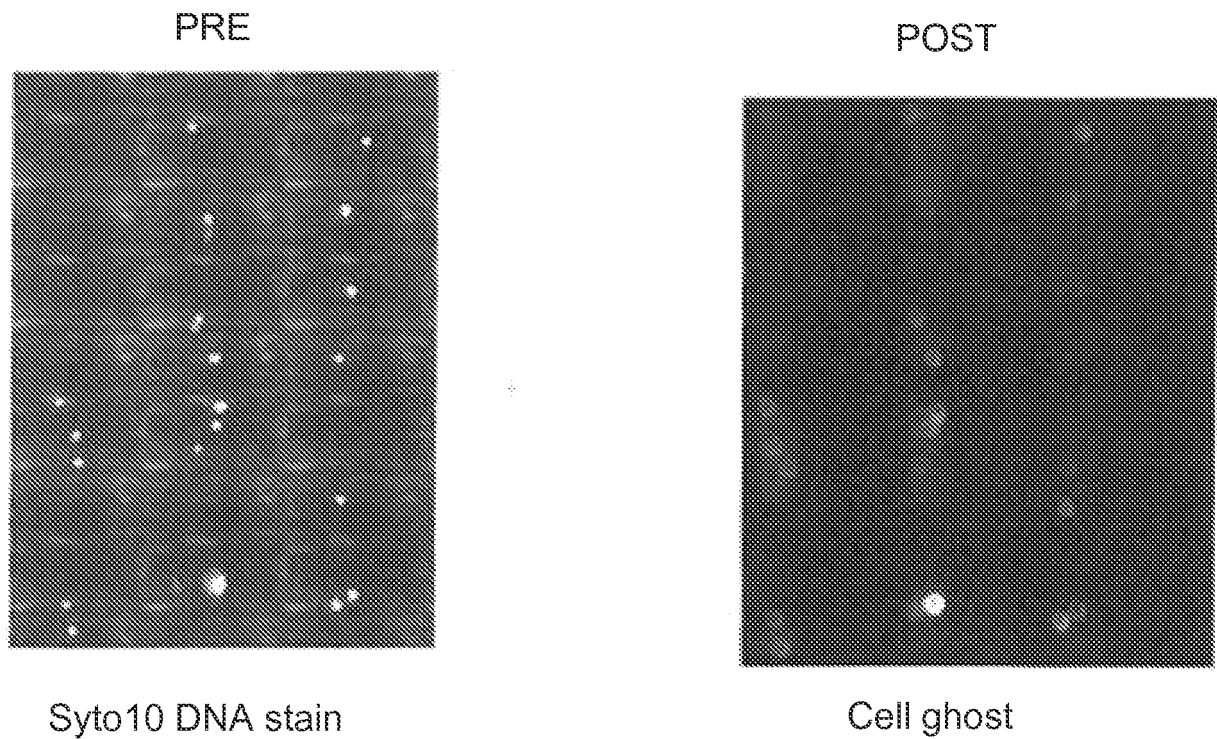
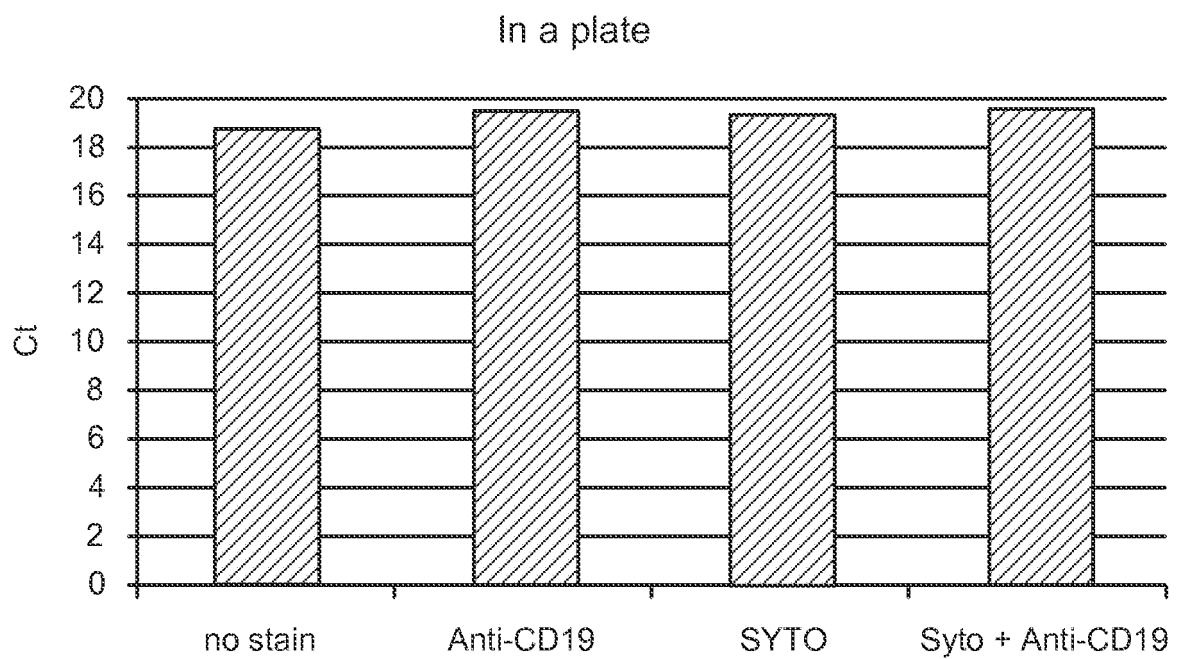
Syto10 DNA stain



Cy5 antibody

FIG. 5

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**FIG. 6A****FIG. 6B**

GAPDH RT-PCR RNA and cells; In plate

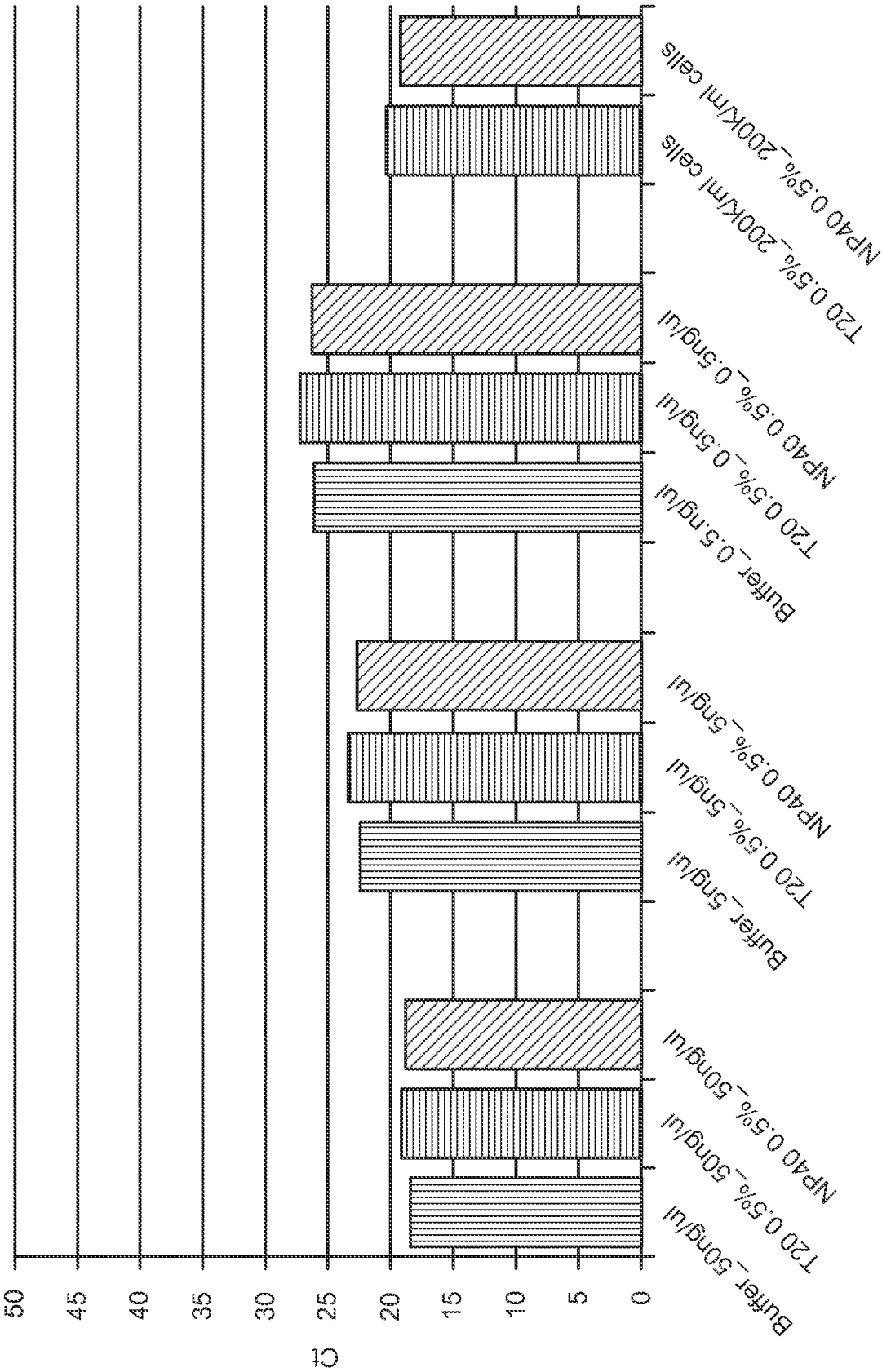


FIG. 7

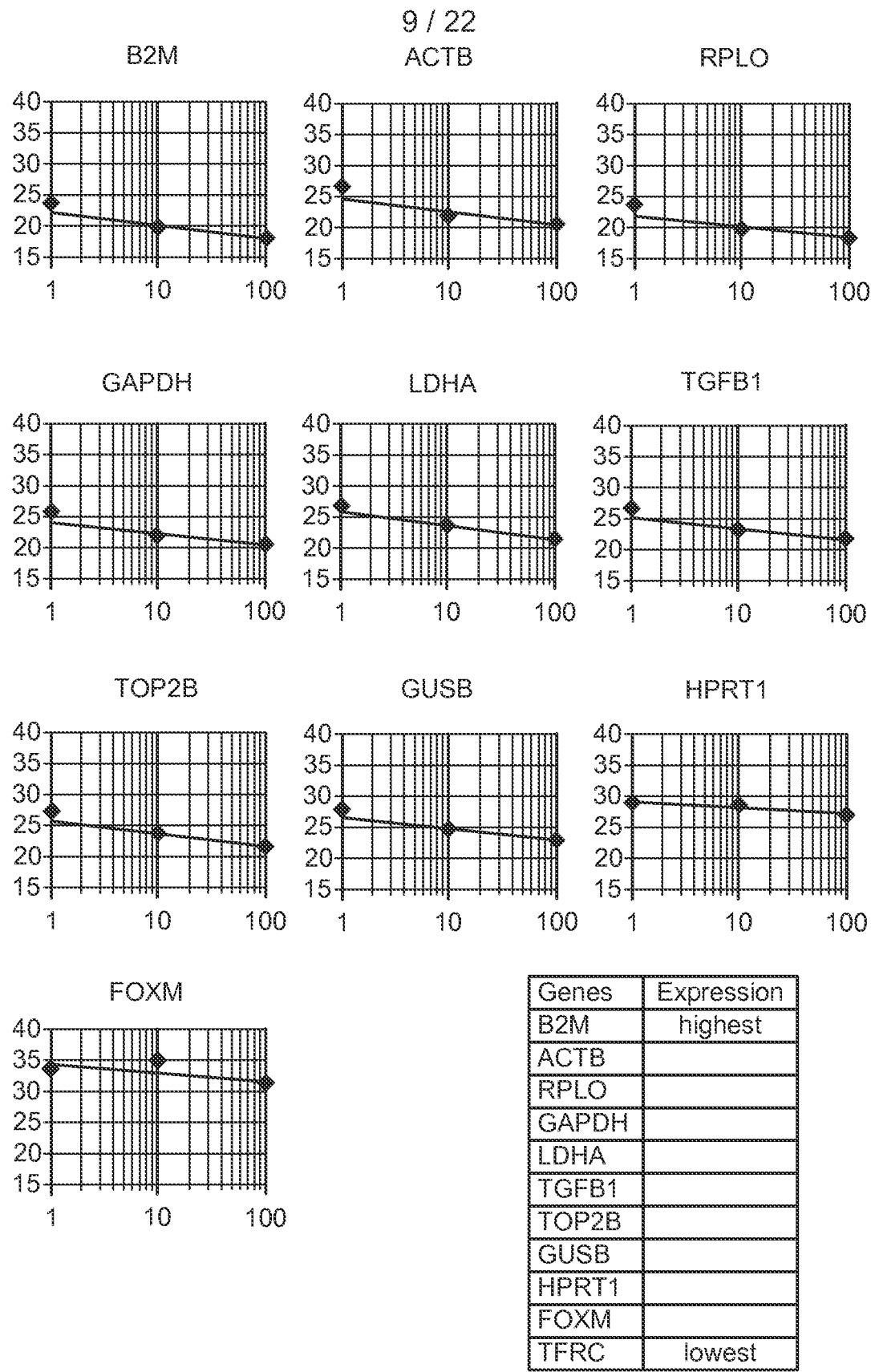


FIG. 8

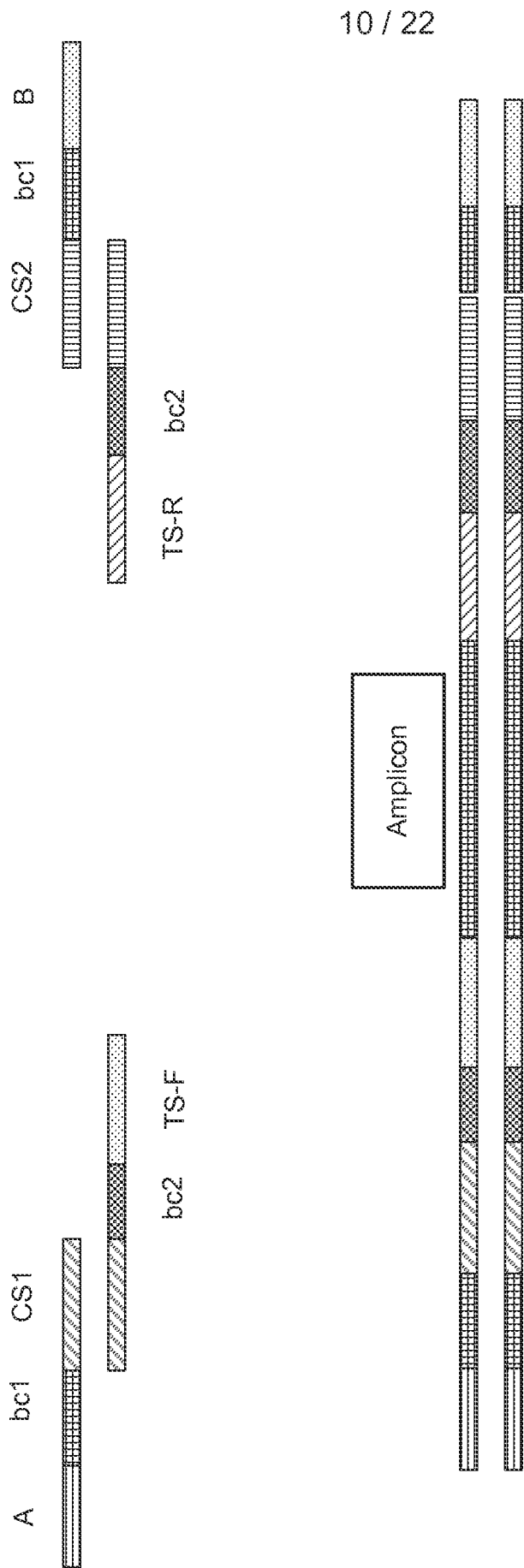


FIG. 9

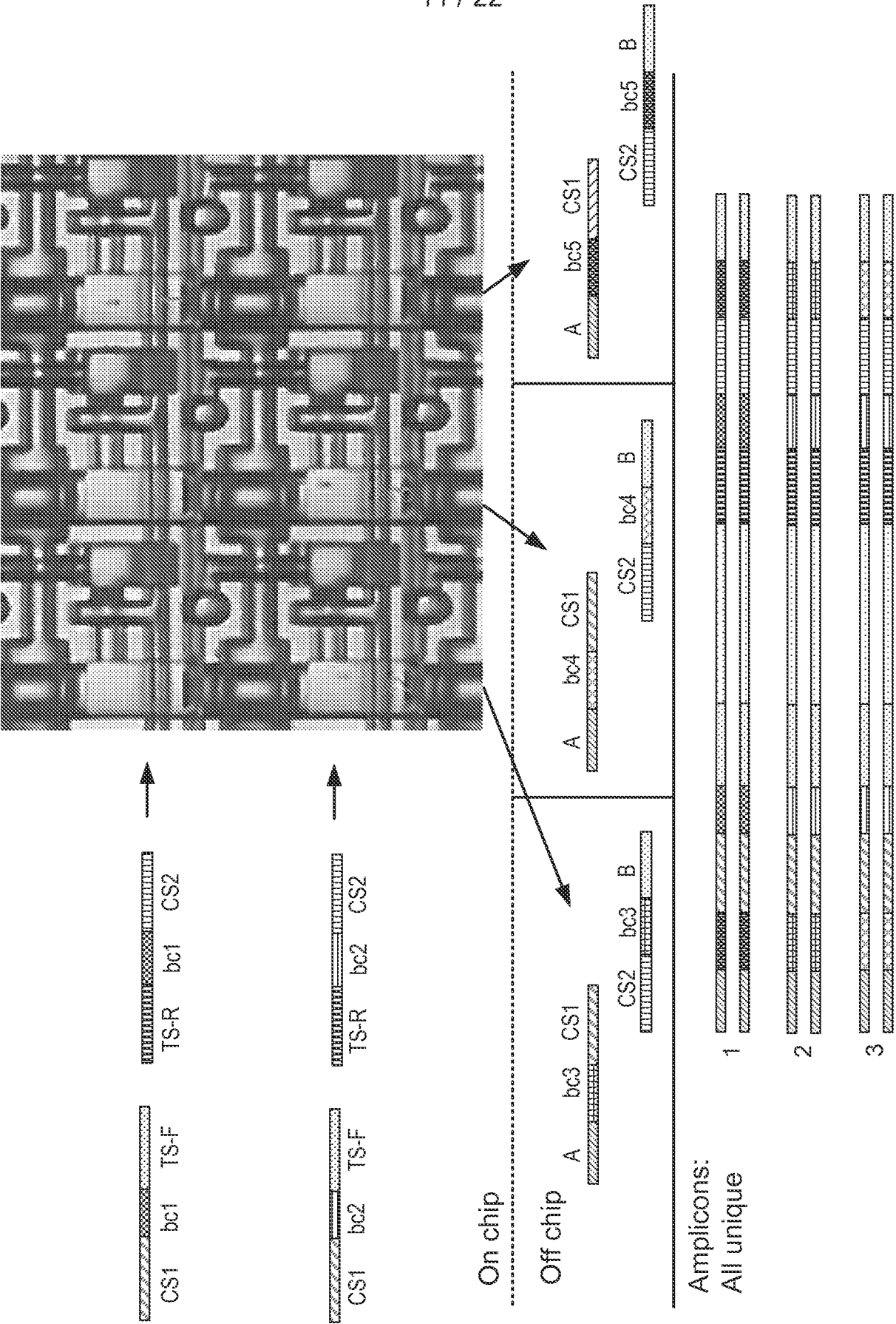
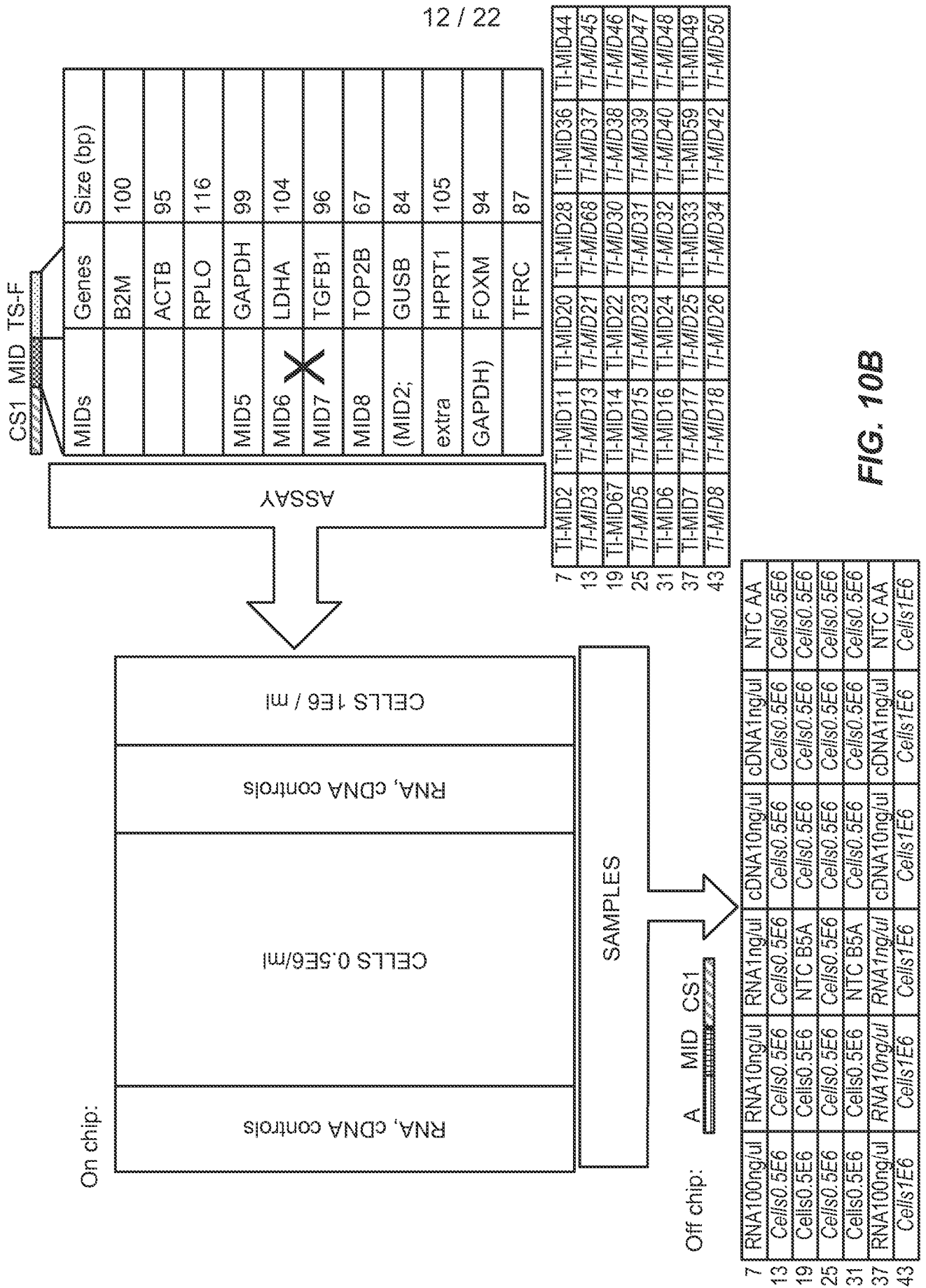


FIG. 10A

103
 416^x

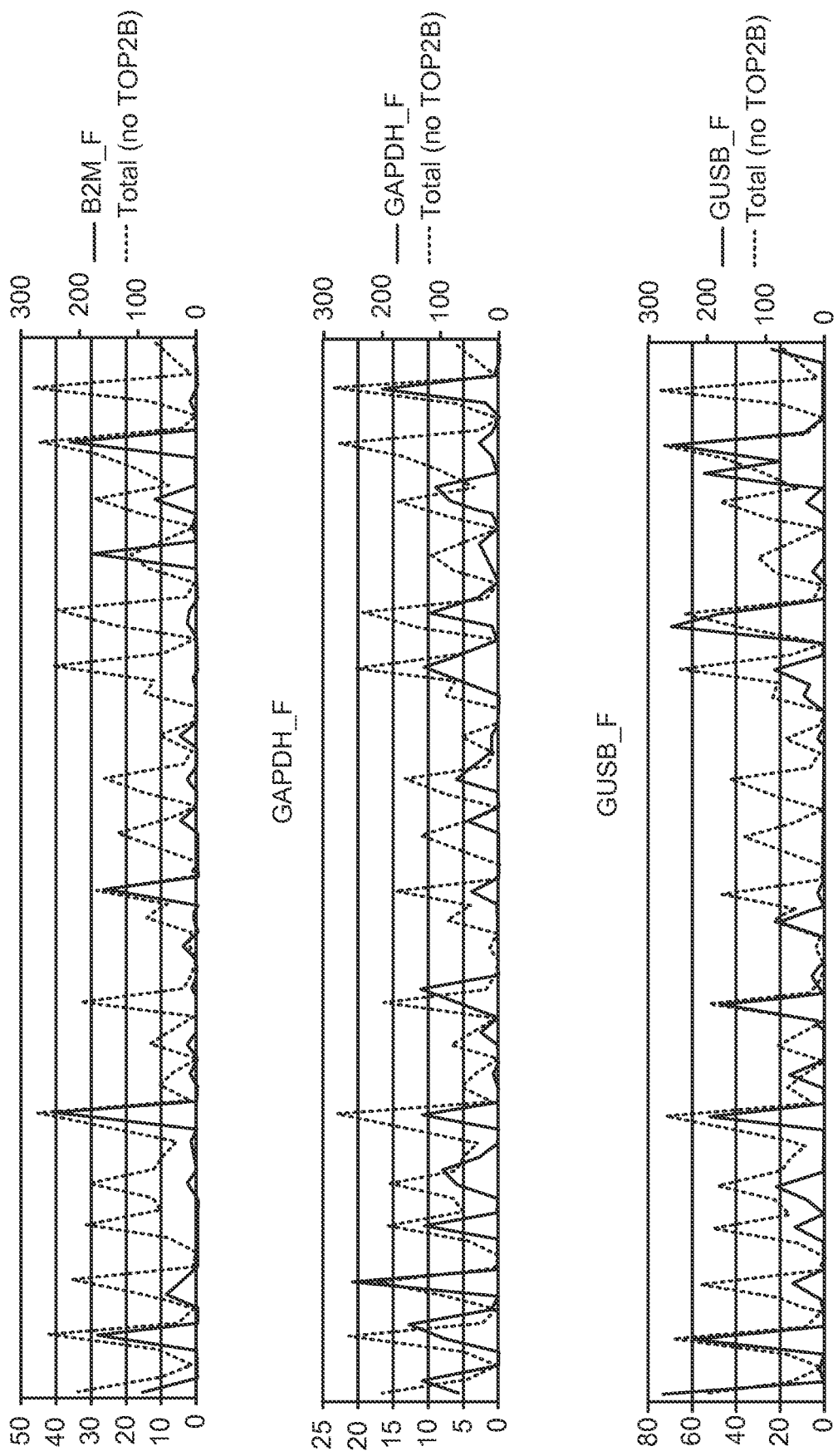


FIG. 11

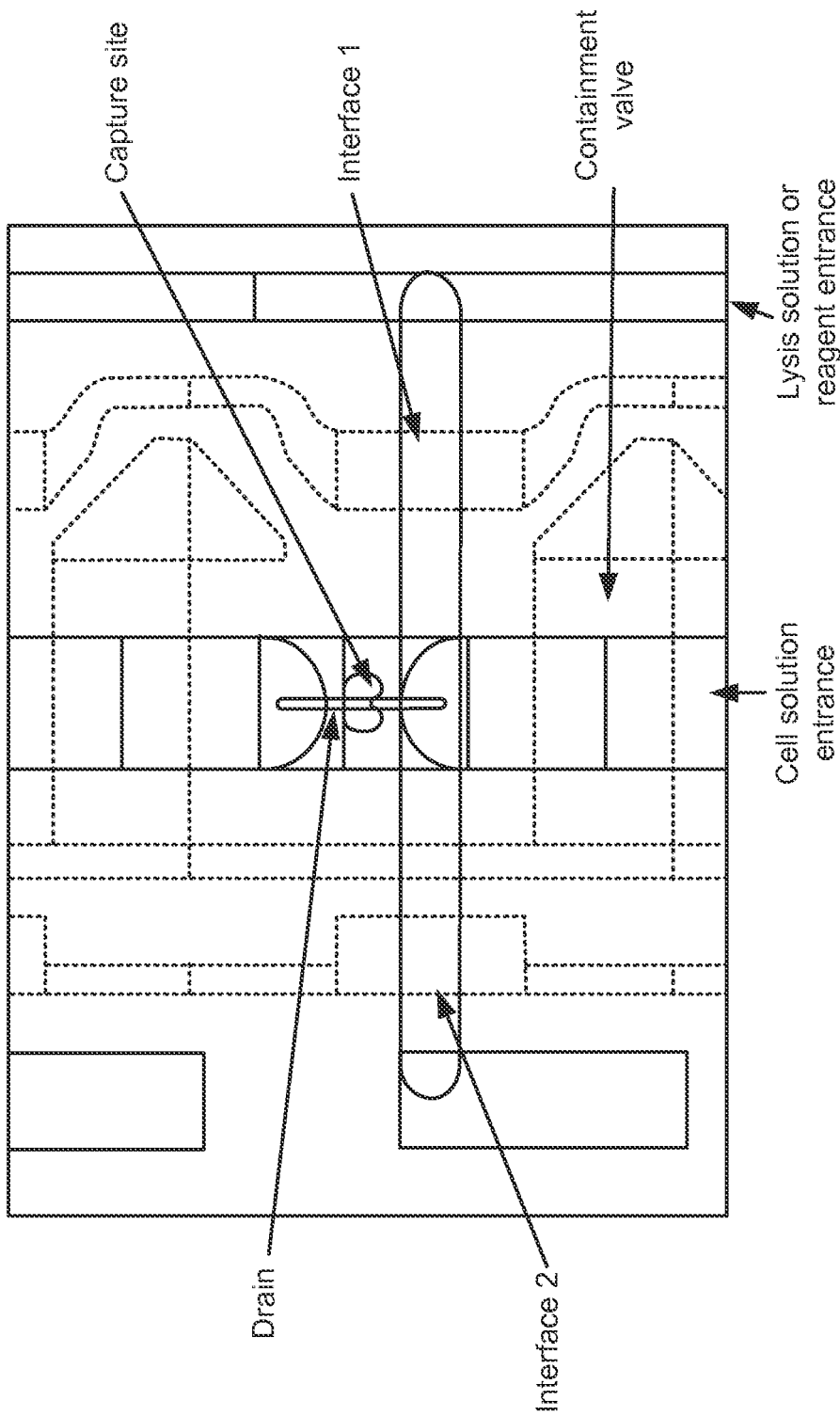


FIG. 12A

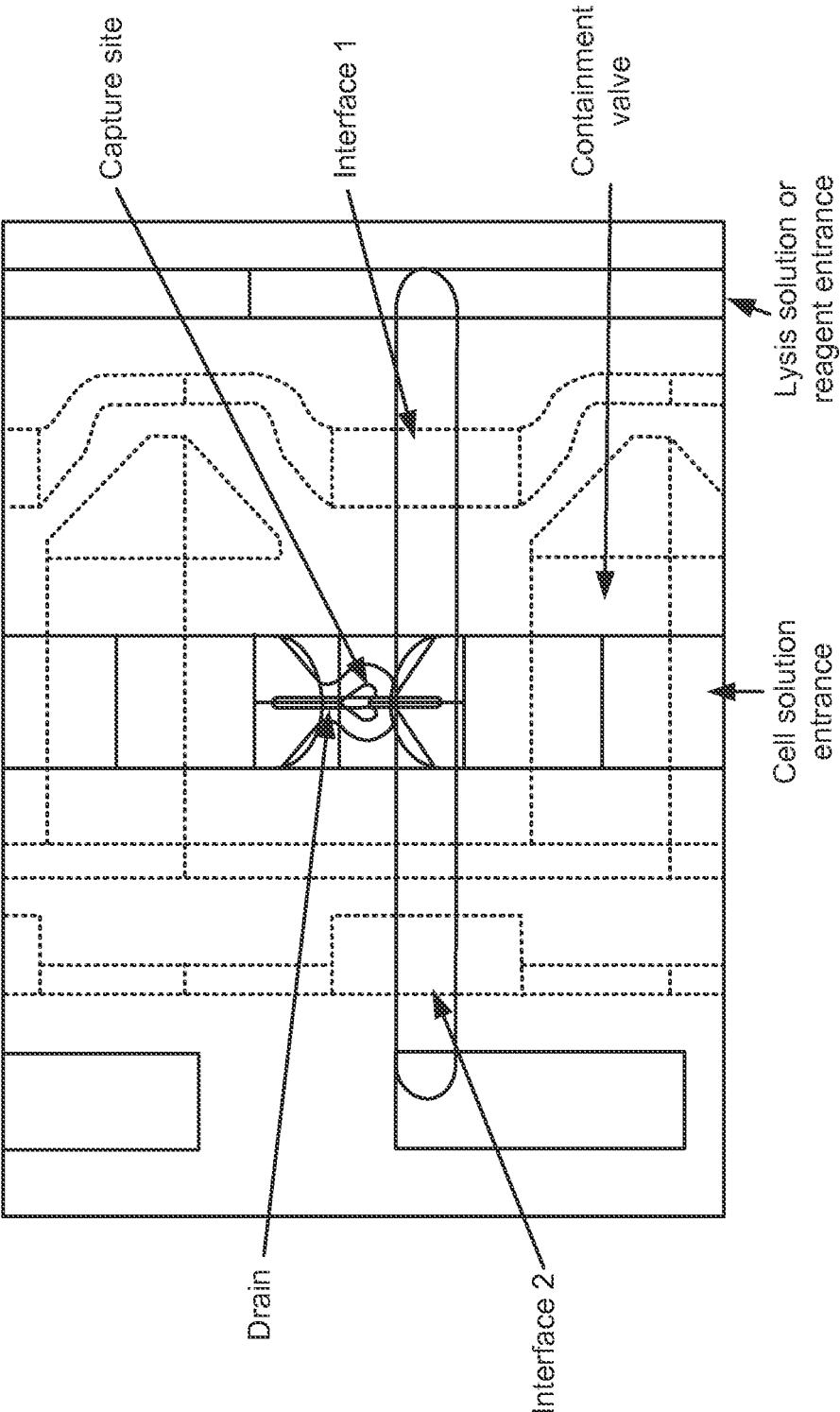


FIG. 12B

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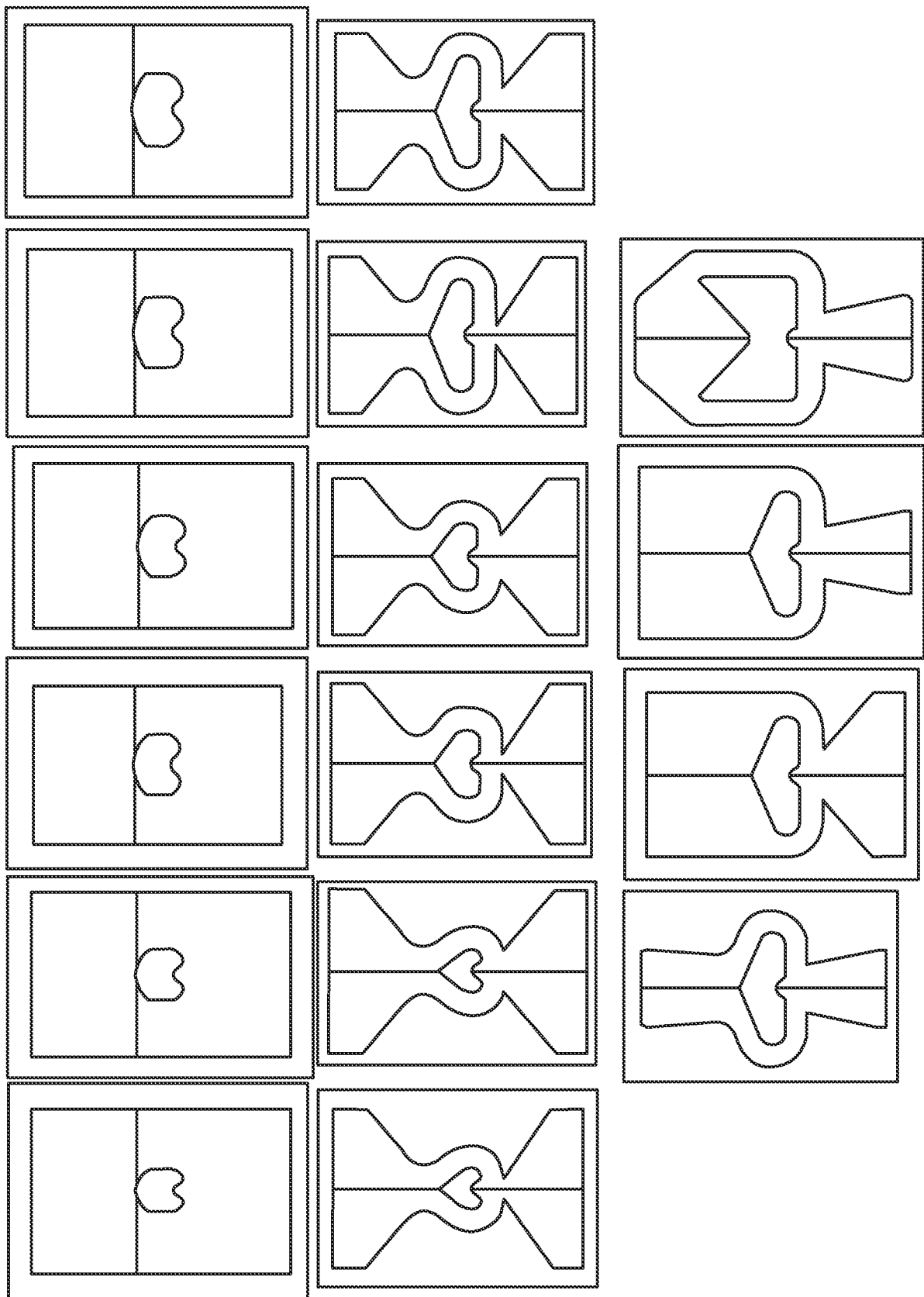


FIG. 13

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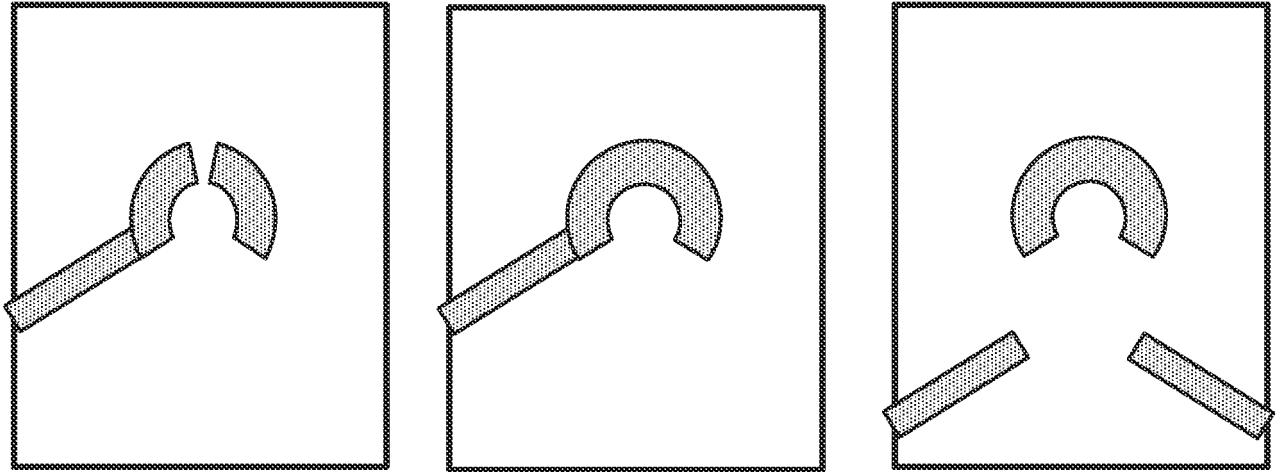


FIG. 14A

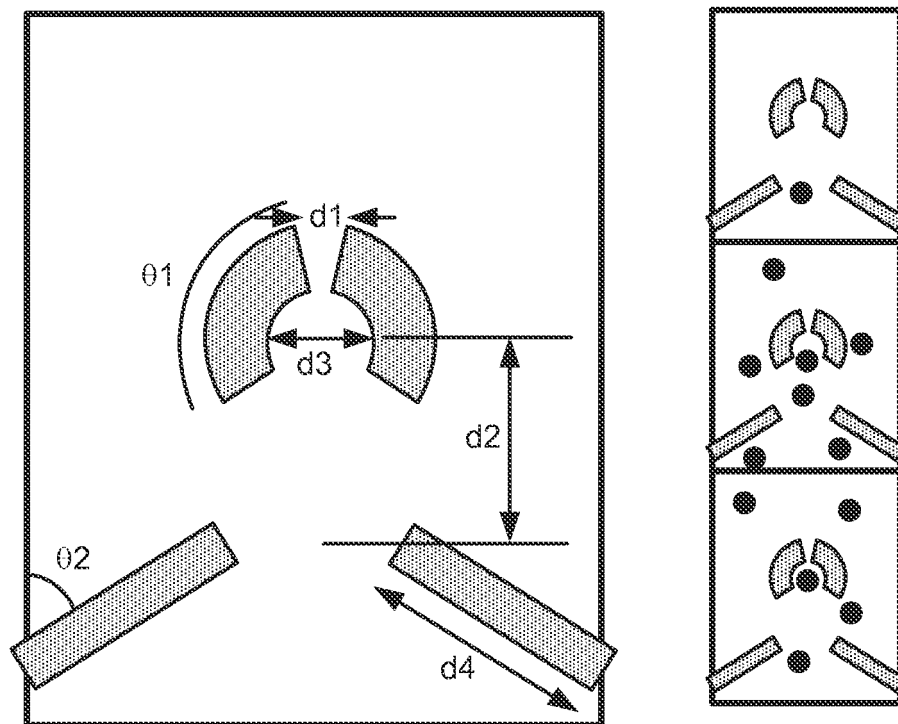
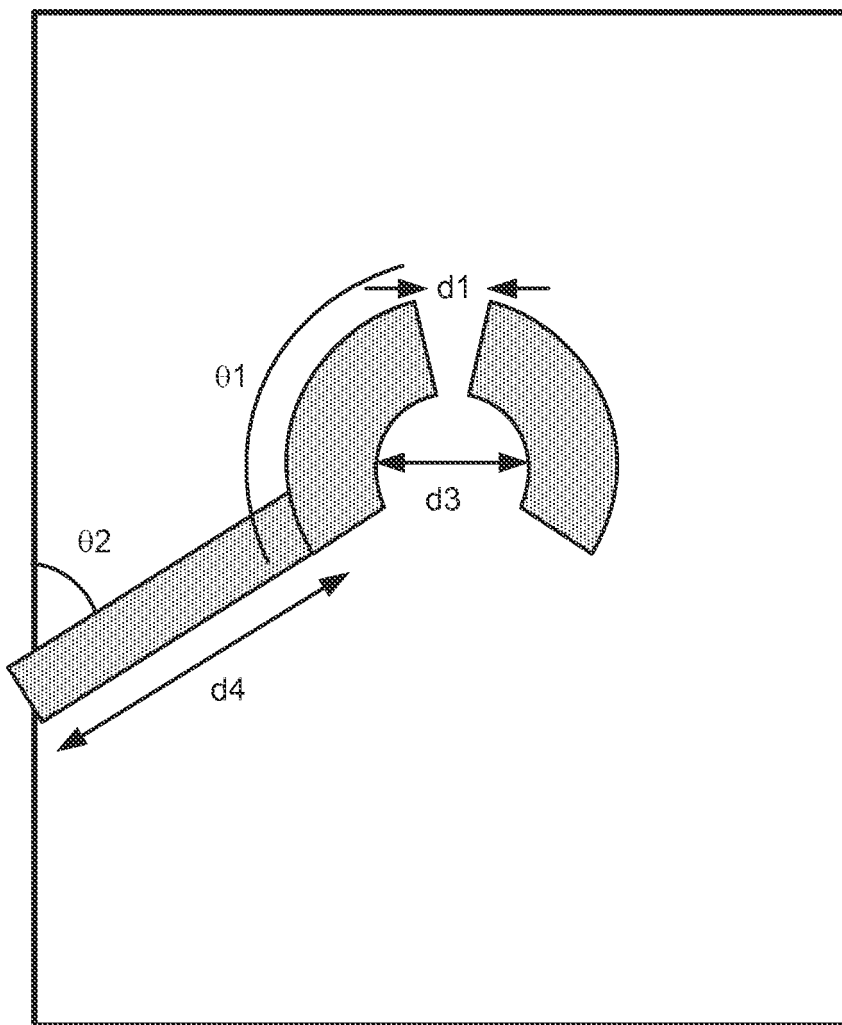
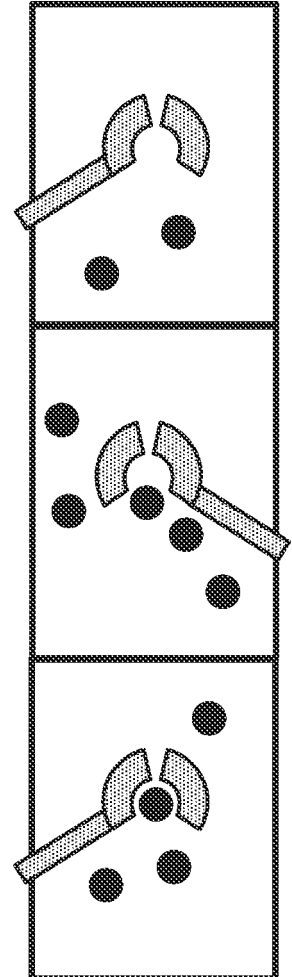
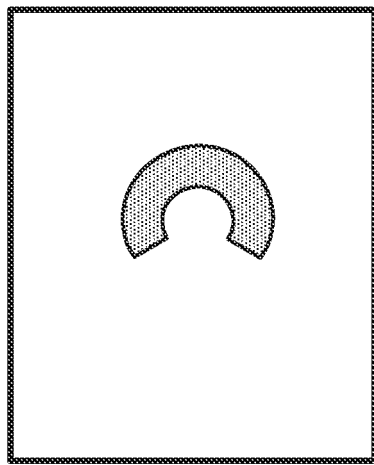
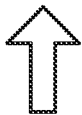


FIG. 14B

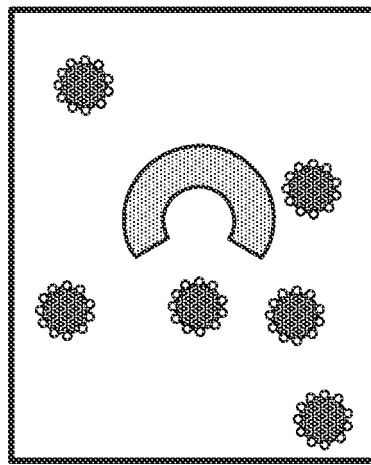
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**FIG. 14C**

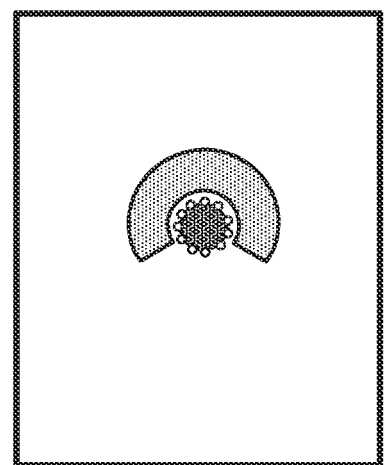
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1

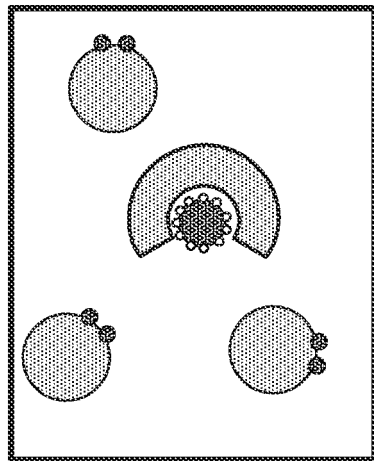


2

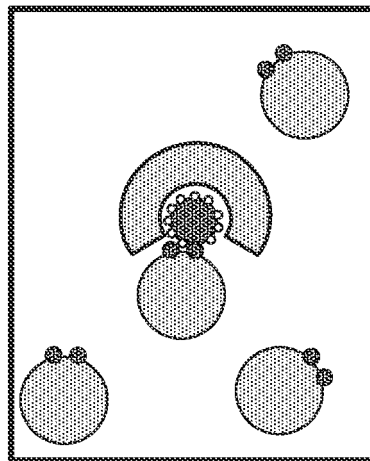


3

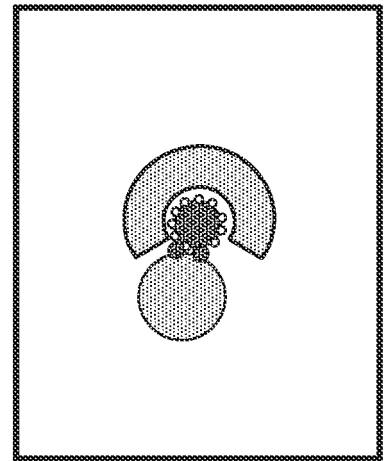
FIG. 15A



1



2



3

FIG. 15B

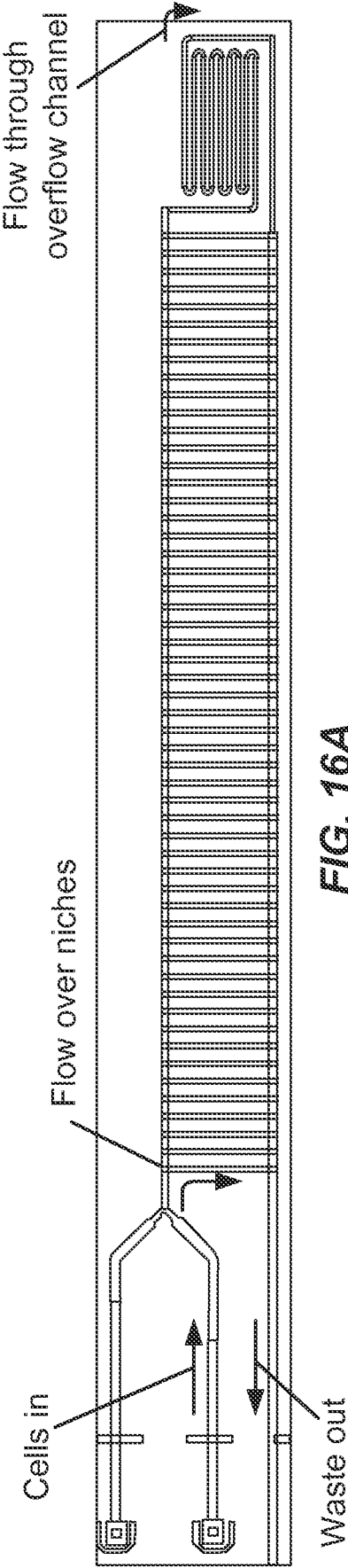


FIG. 16A

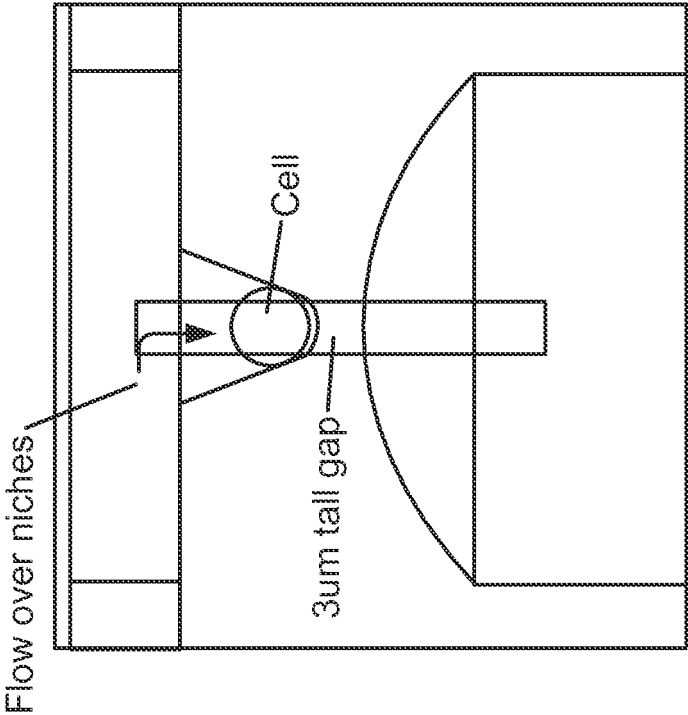


FIG. 16B

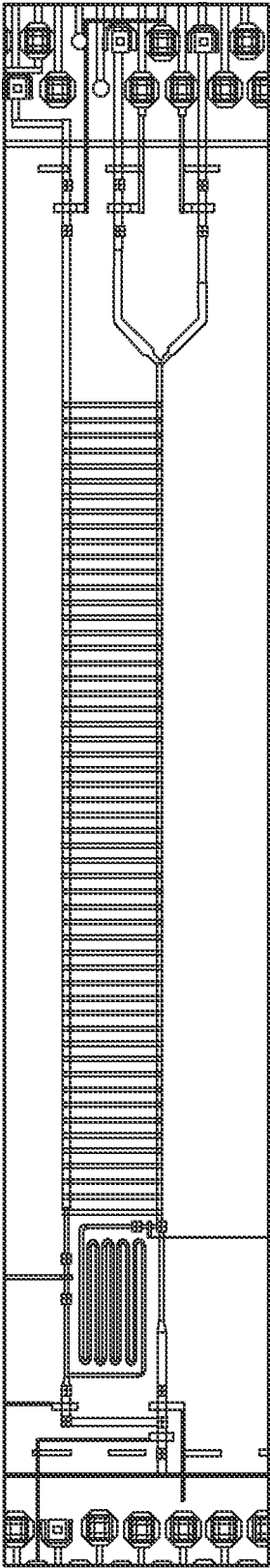


FIG. 16C

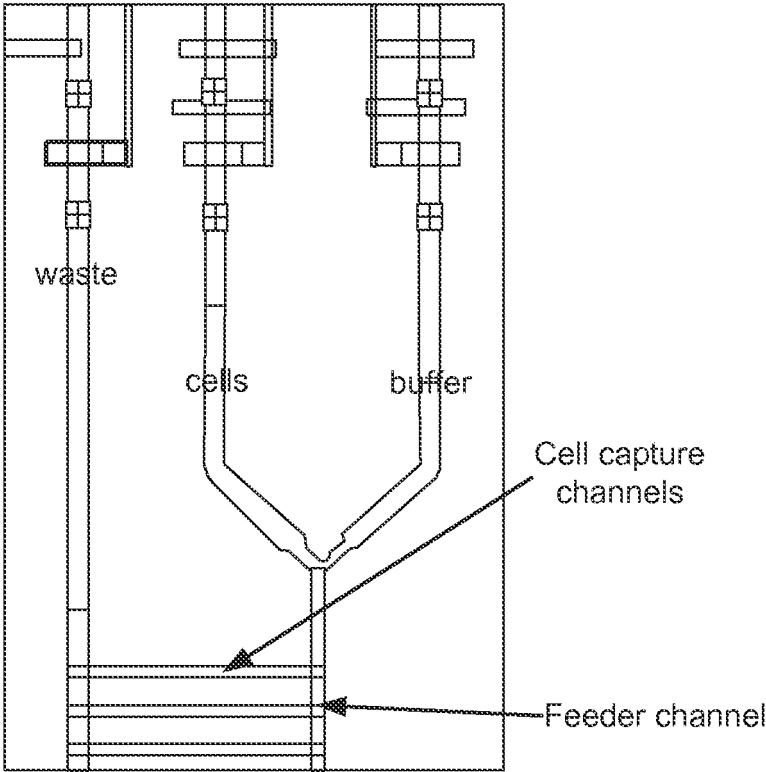


FIG. 16D

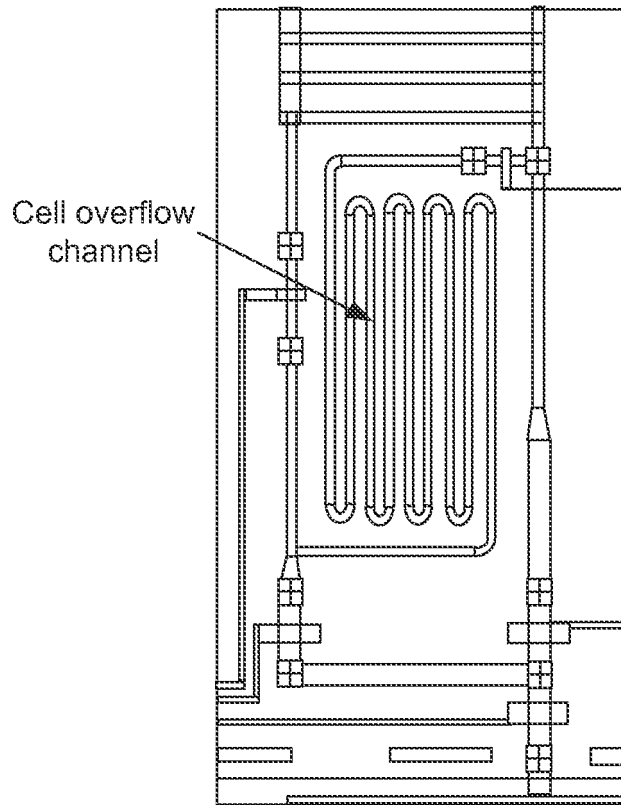


FIG. 16E

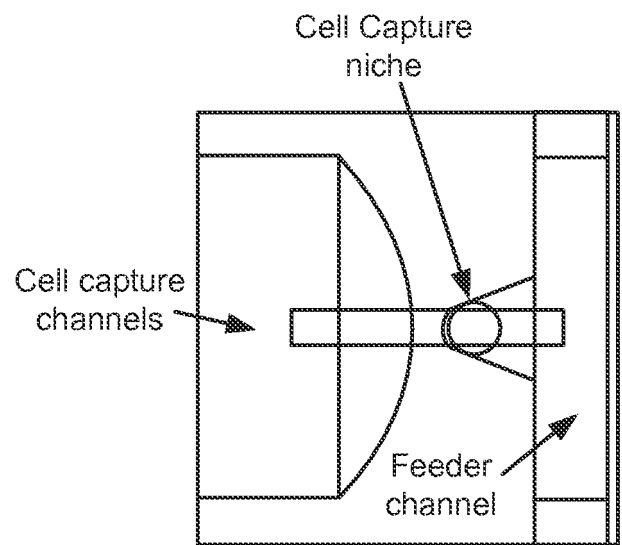


FIG. 16F

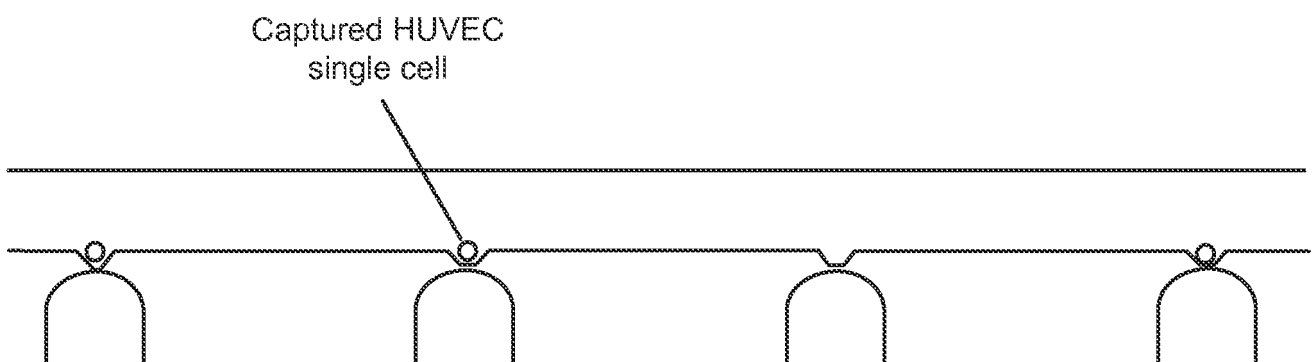


FIG. 16G