

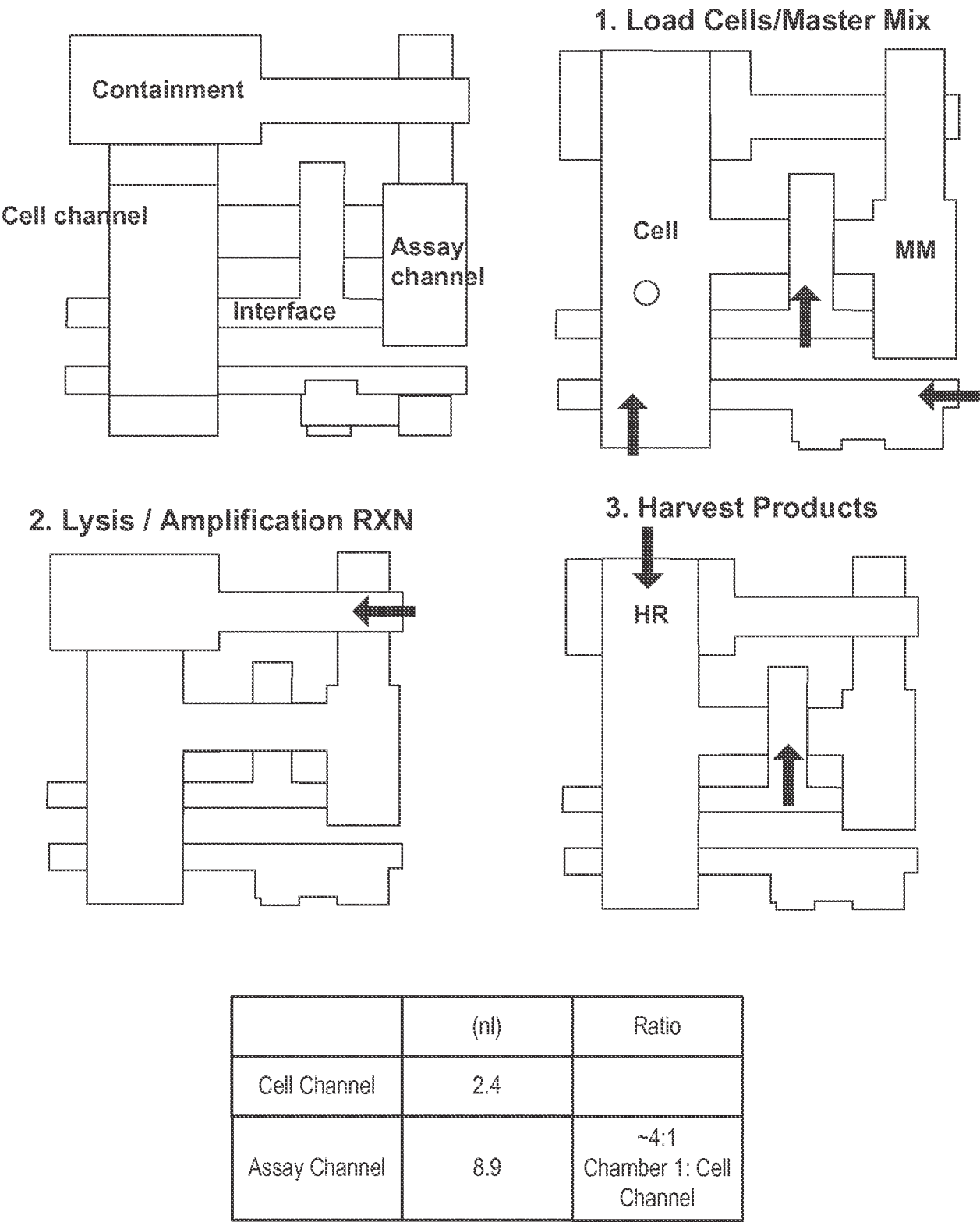
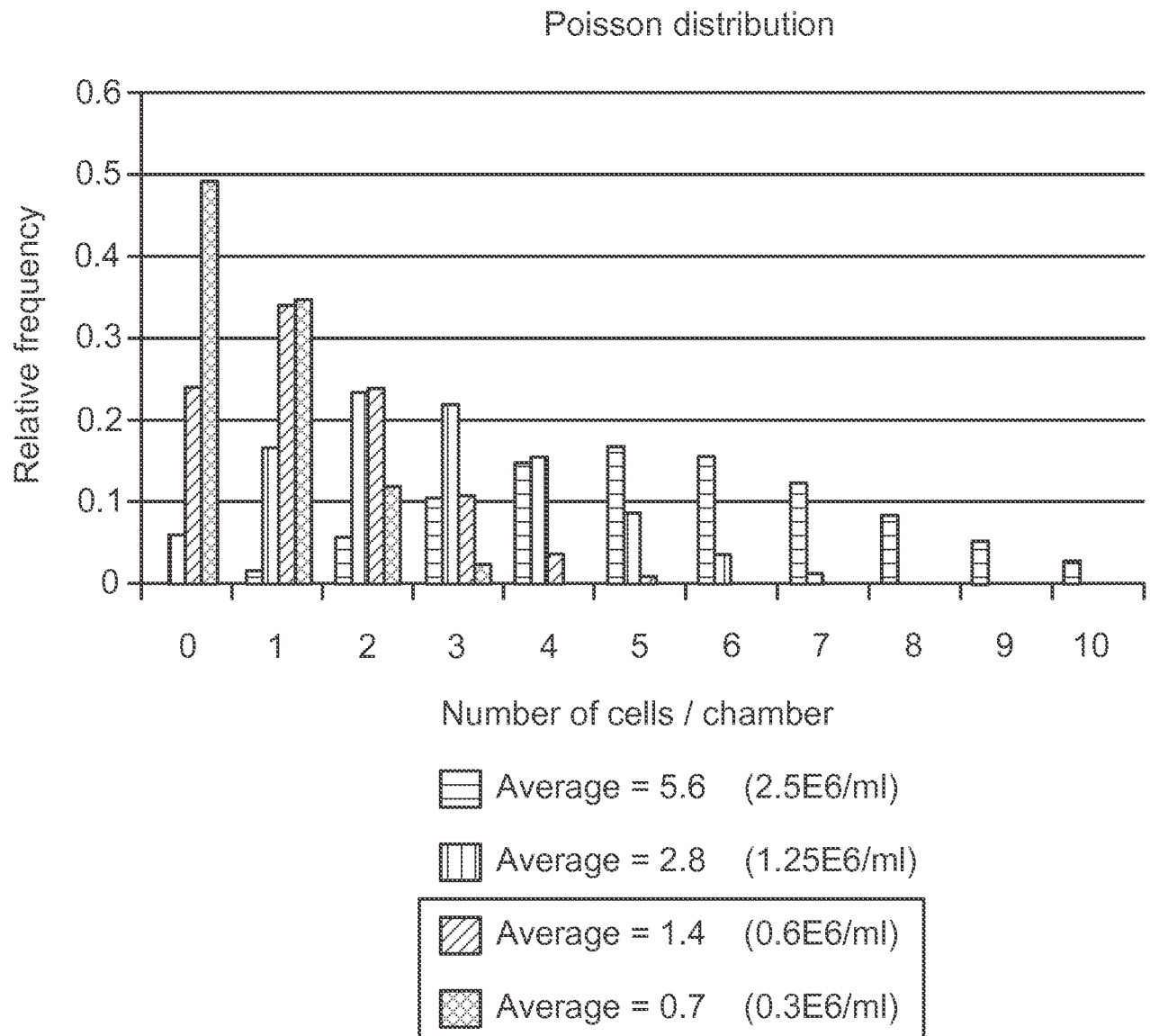


FIG. 1

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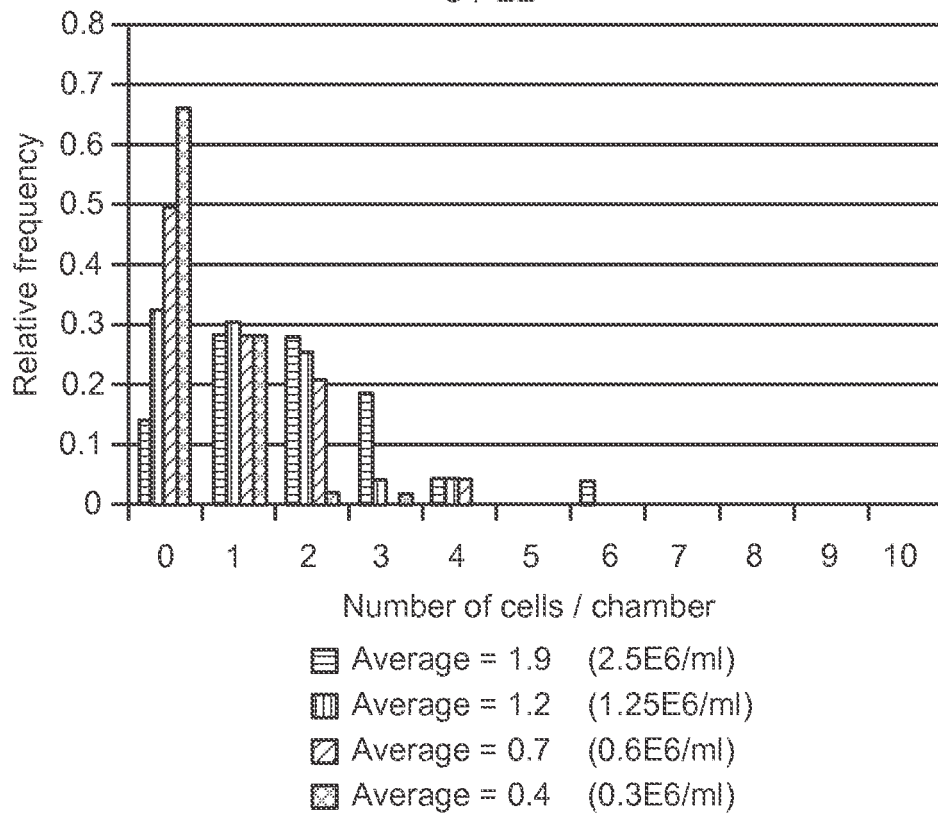


The "best" theoretical cell density for single cells:
~1 per chamber on average = $1 / 2.4 \text{ nl} = \sim 0.5\text{E}6/\text{ml}$

FIG. 2

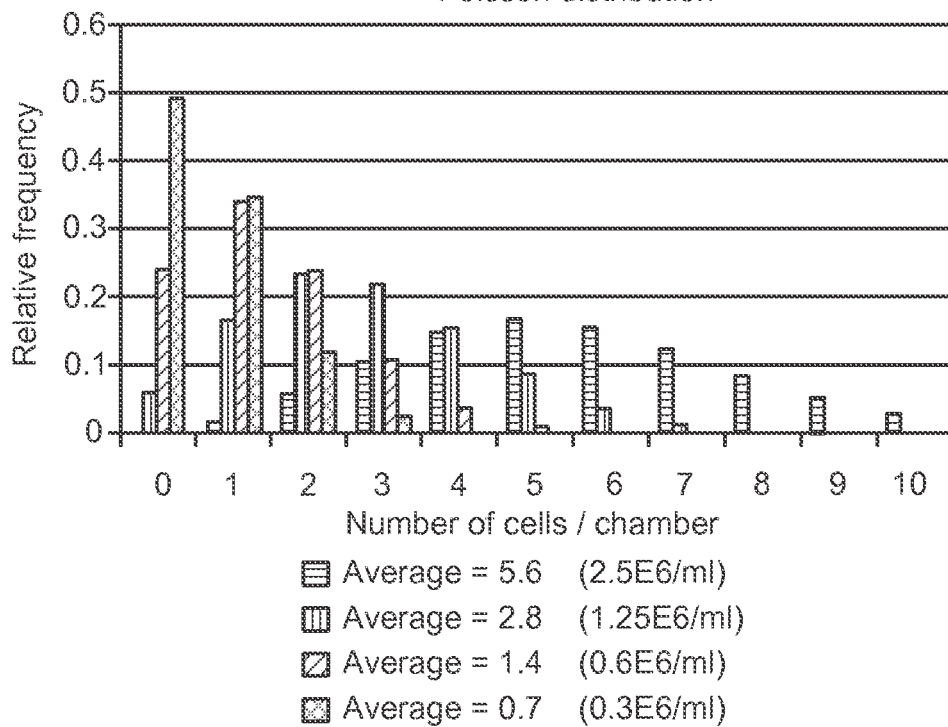
Measured:

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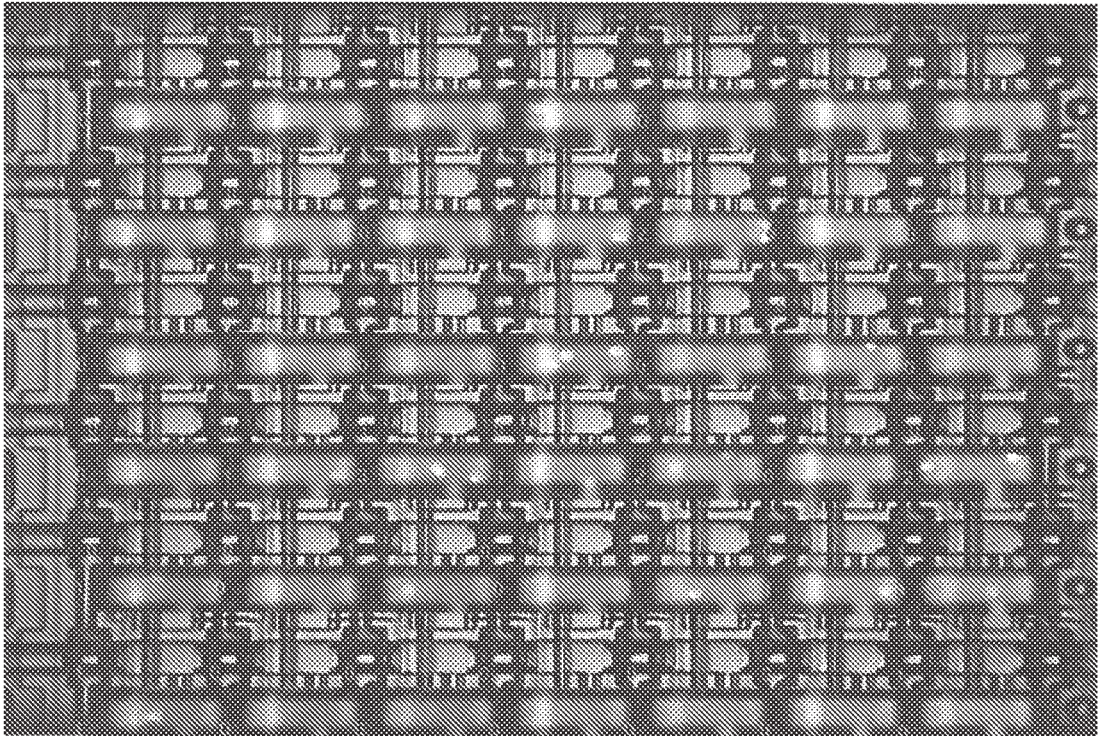
**FIG. 3A**

Theoretical:

Poisson distribution

**FIG. 3B**

0.15E6 /ml
Expect
0-1
chamber

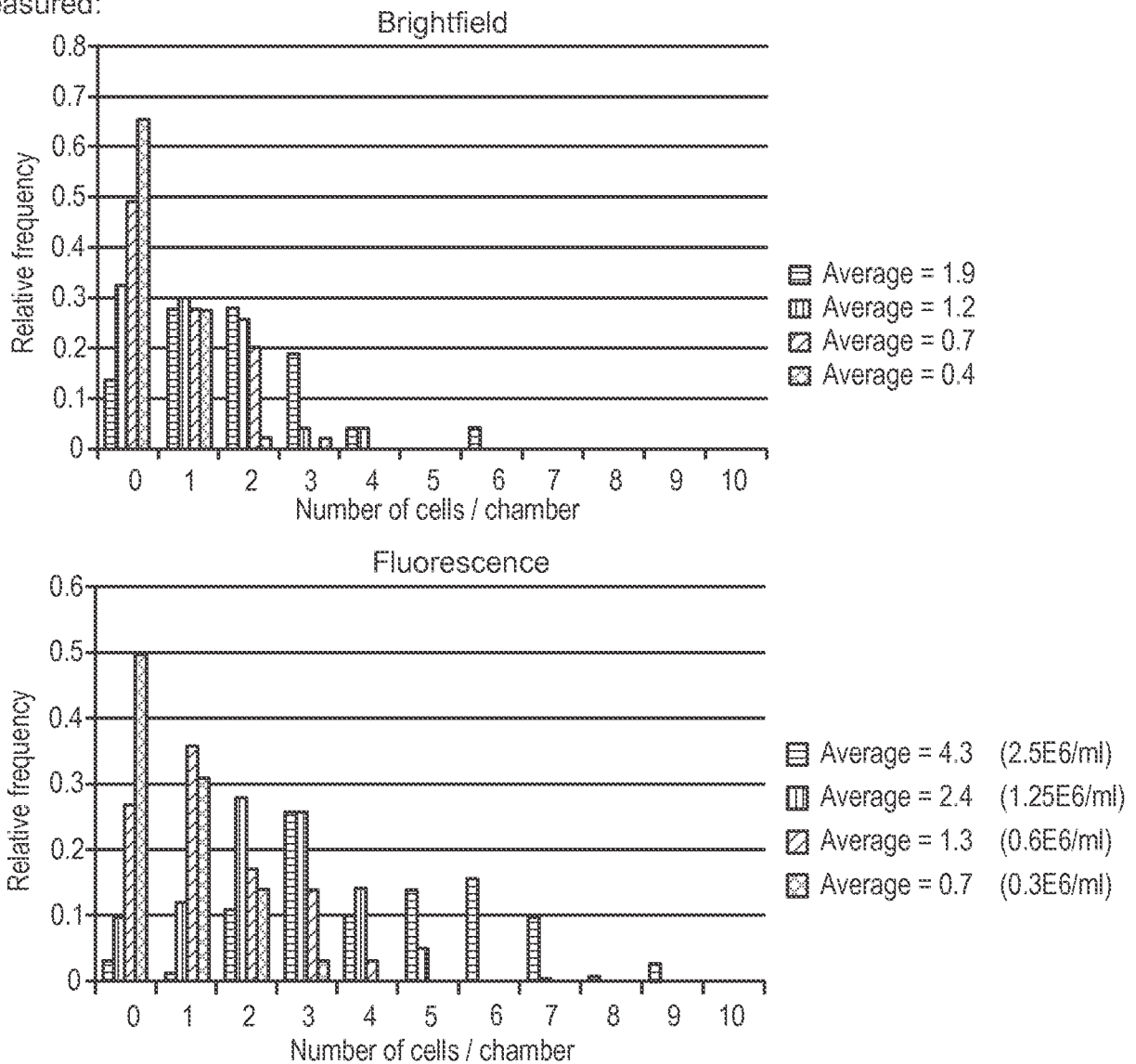


	Brightfield	Fluorescence
Average cells/ chamber	0.29	0.52

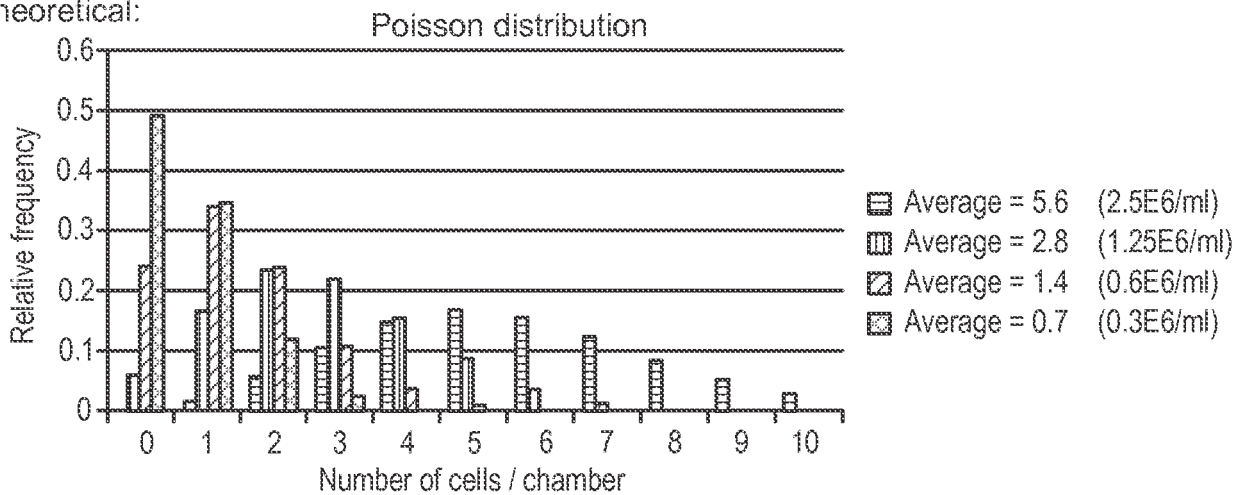
FIG. 4A

5 / 22

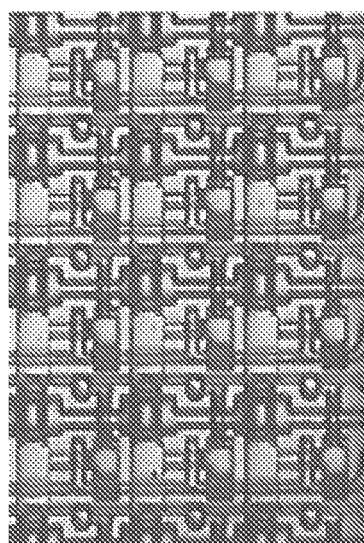
Measured:



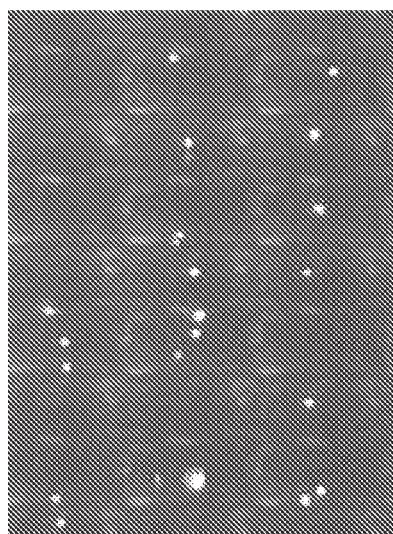
Theoretical:

**FIG. 4B**

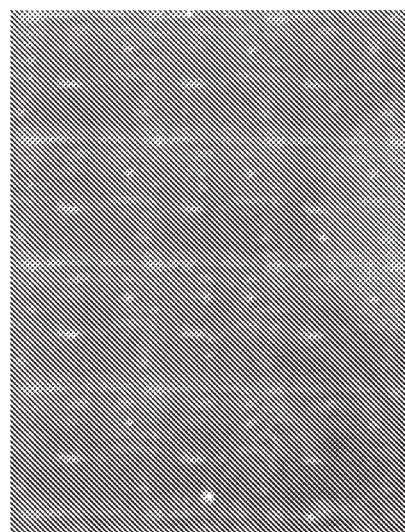
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Brightfield



Syto10 DNA stain



Cy5 antibody

FIG. 5

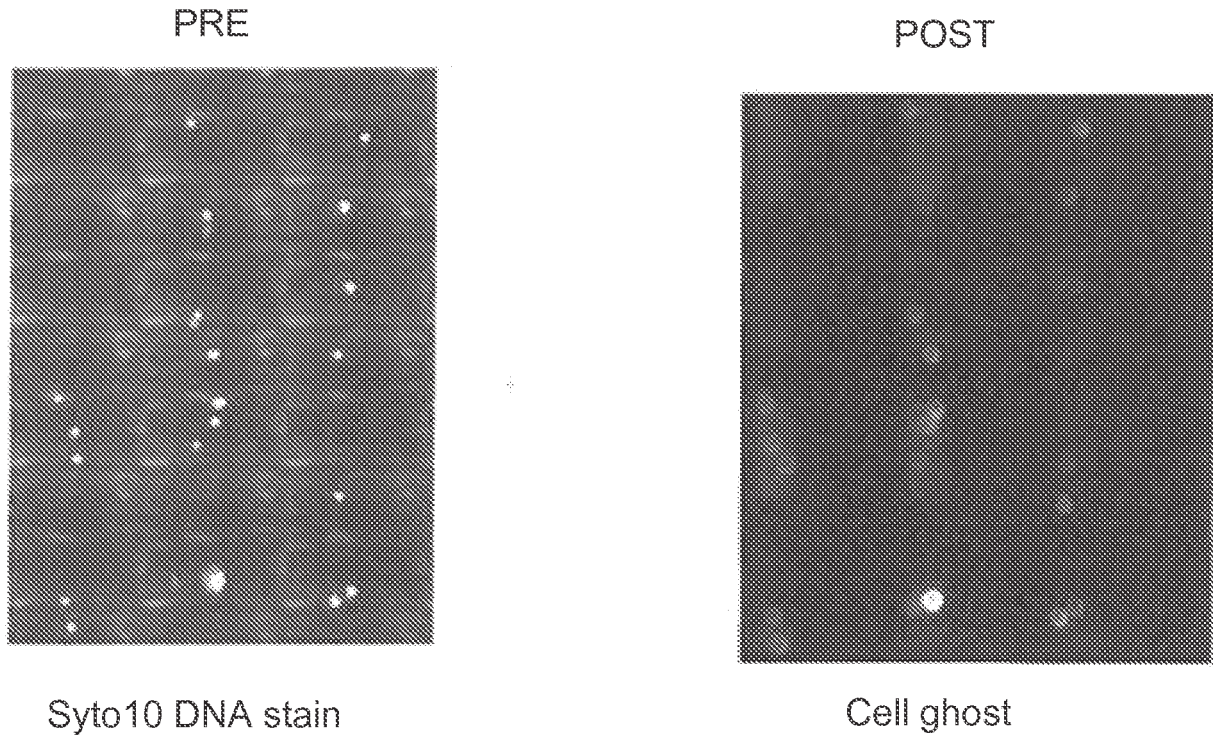


FIG. 6A

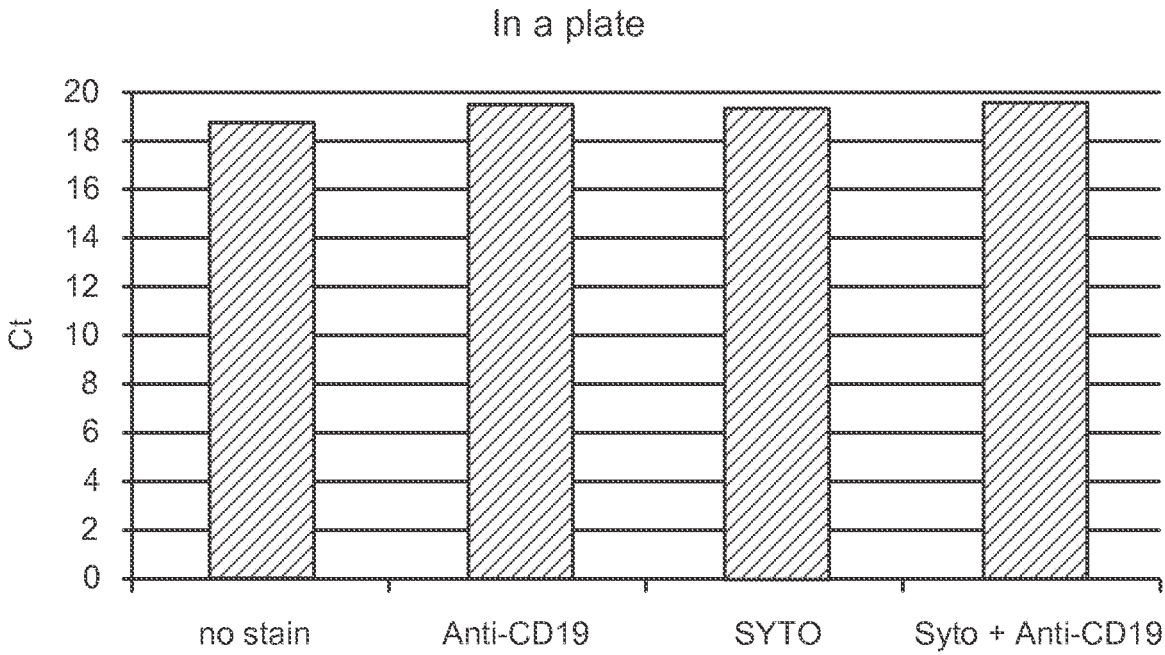


FIG. 6B

GAPDH RT-PCR RNA and cells; In plate

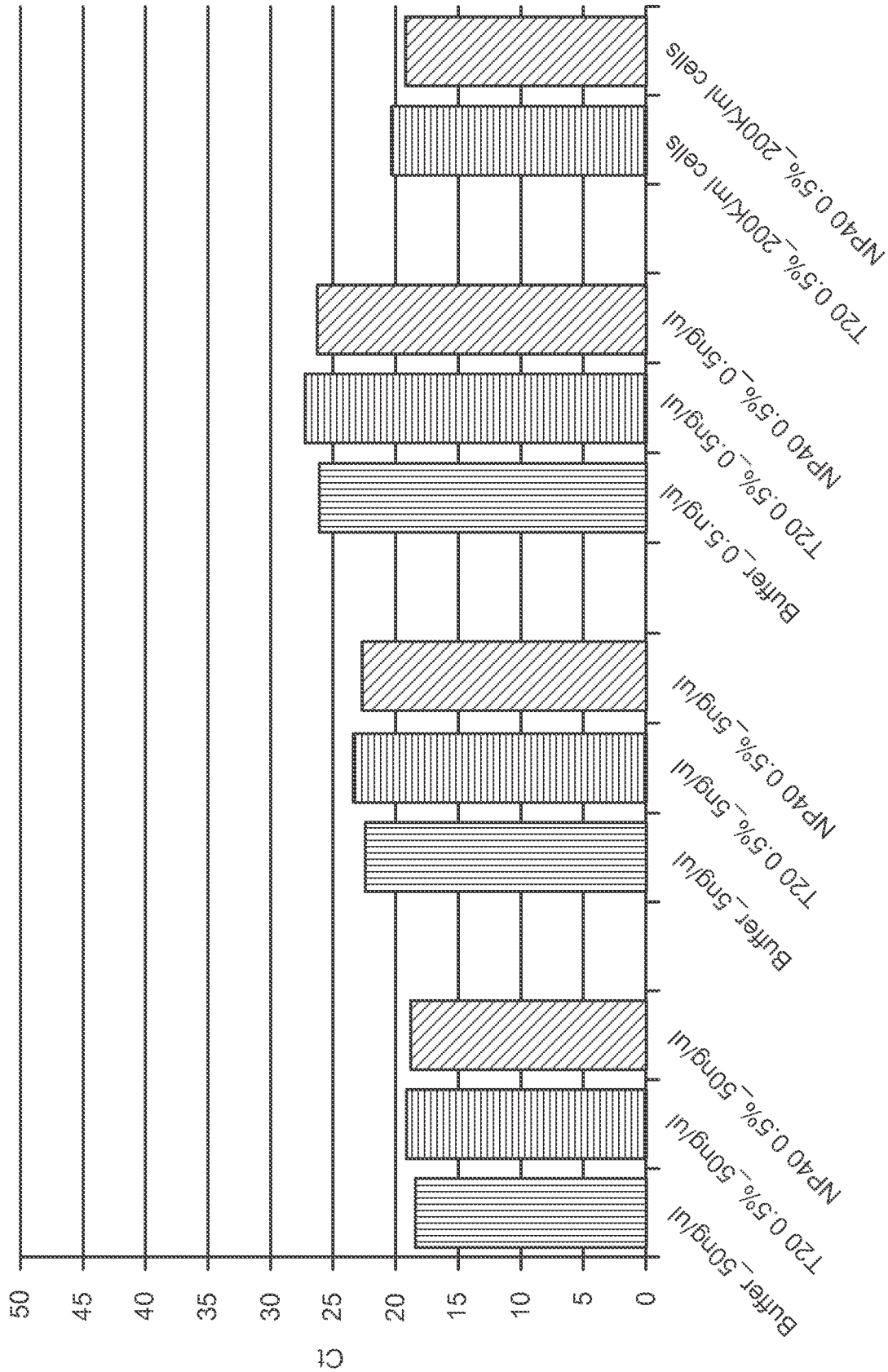


FIG. 7

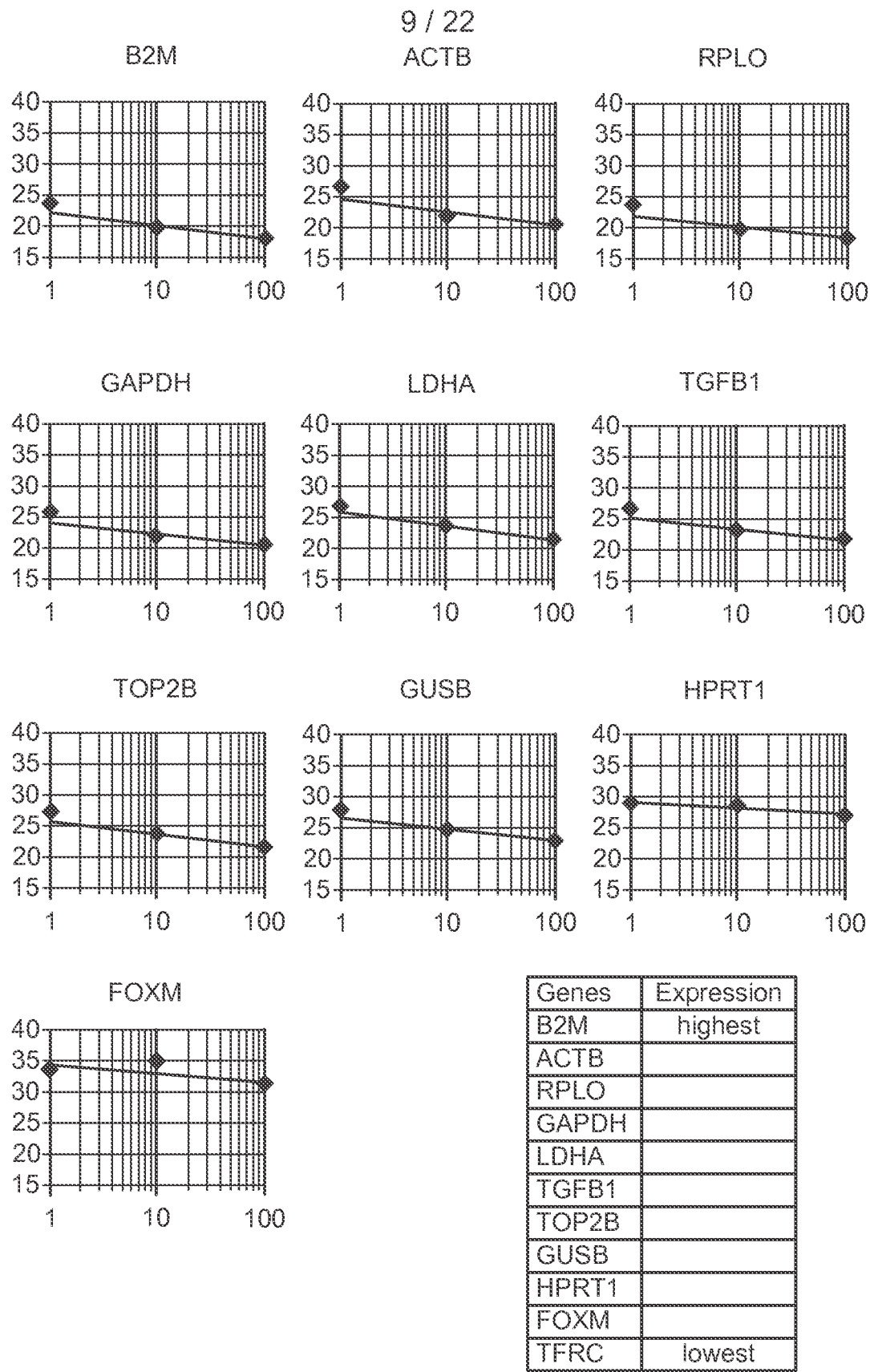


FIG. 8

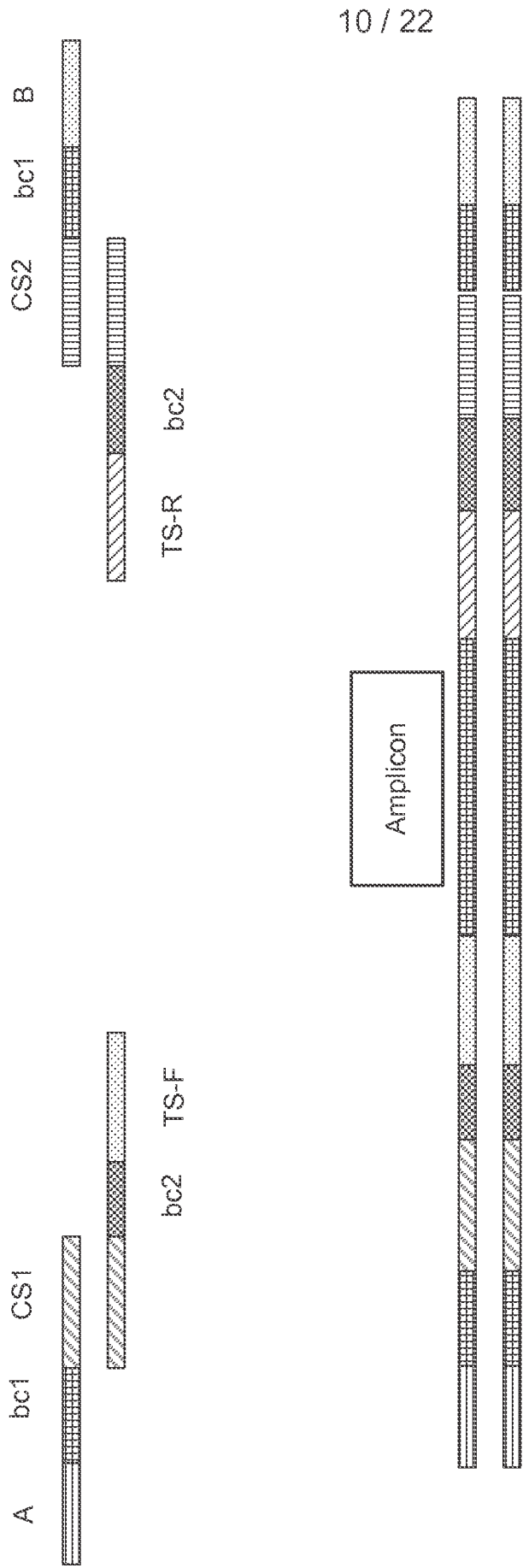


FIG. 9

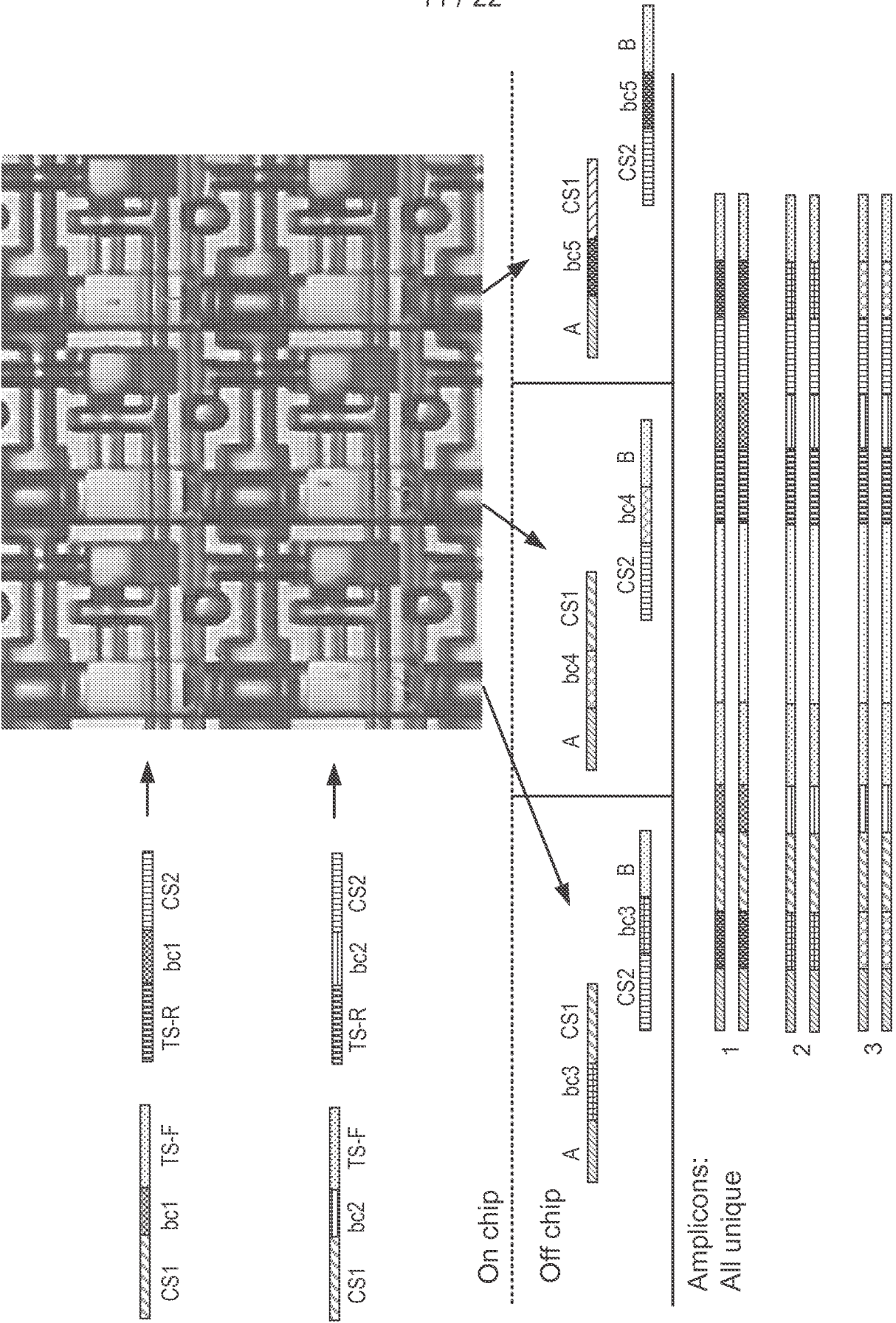
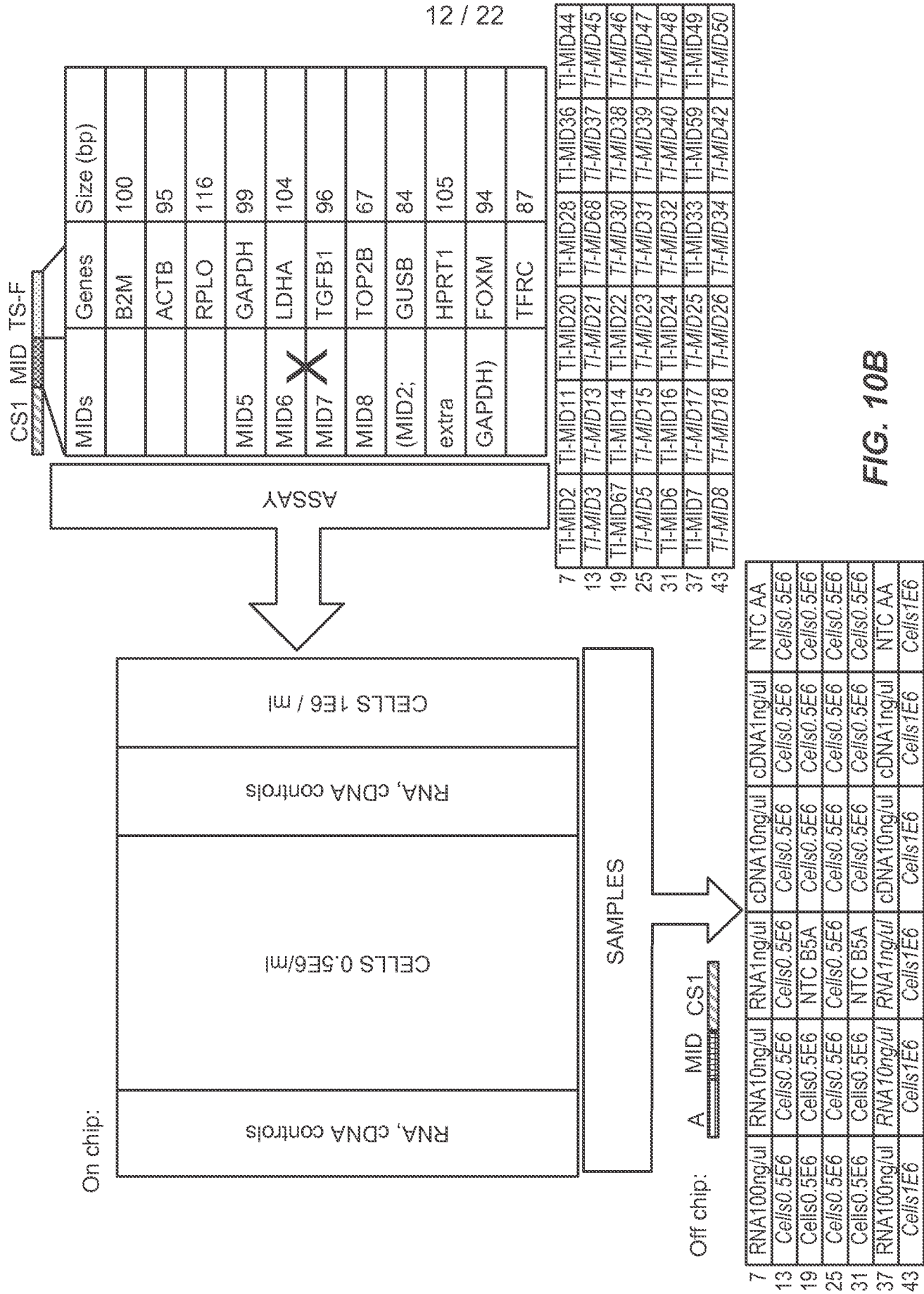


FIG. 10A



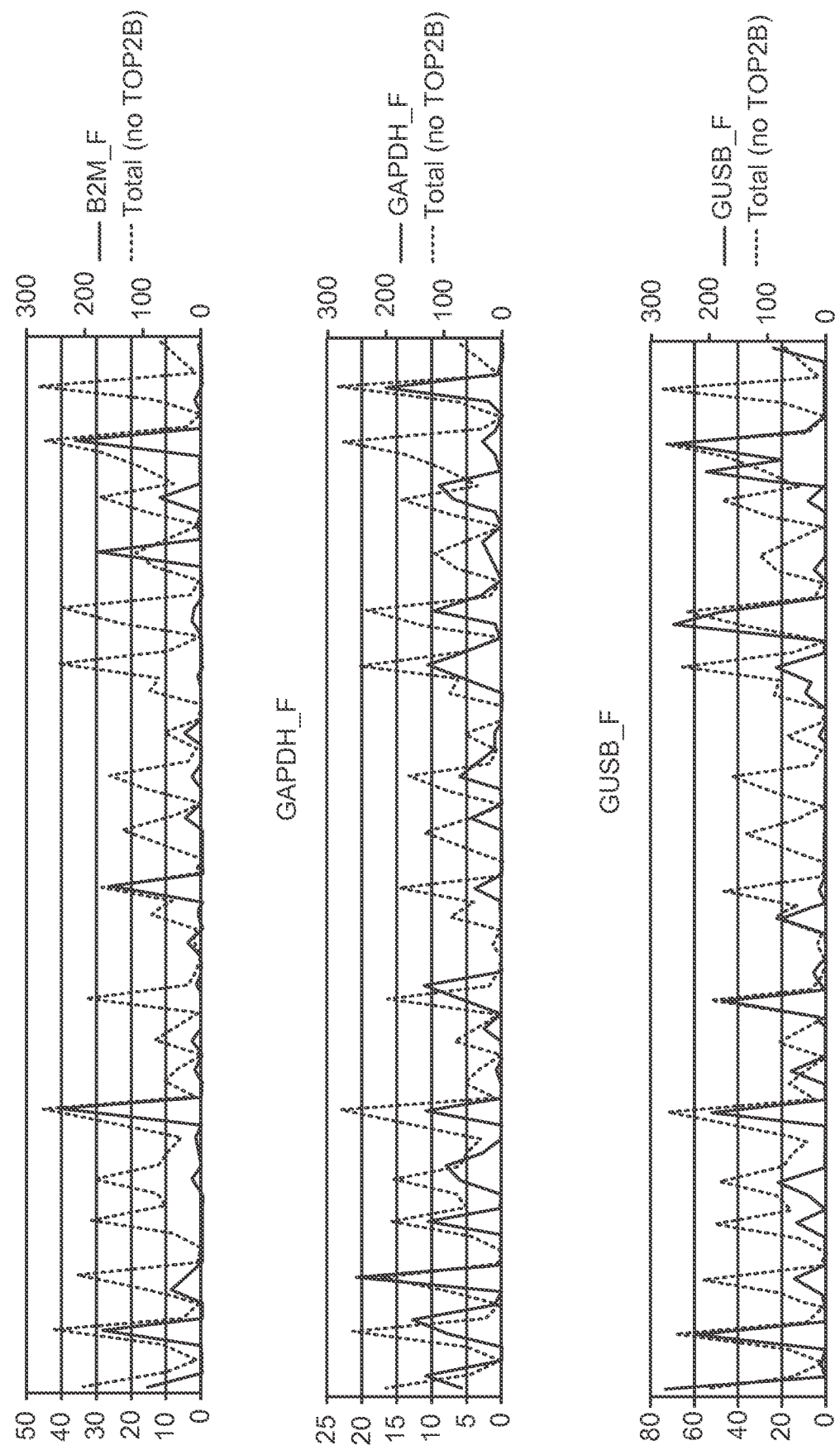


FIG. 11

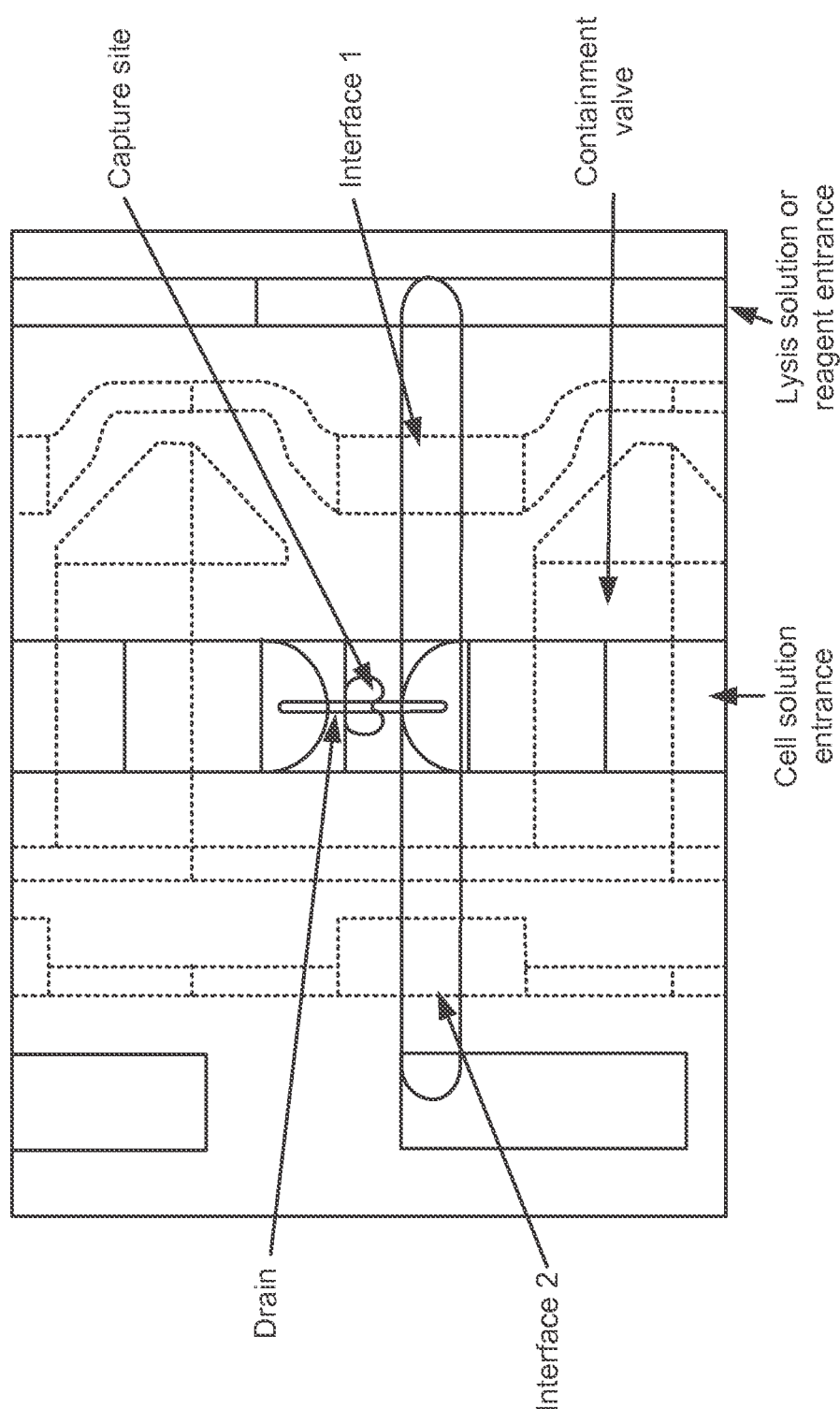


FIG. 12A

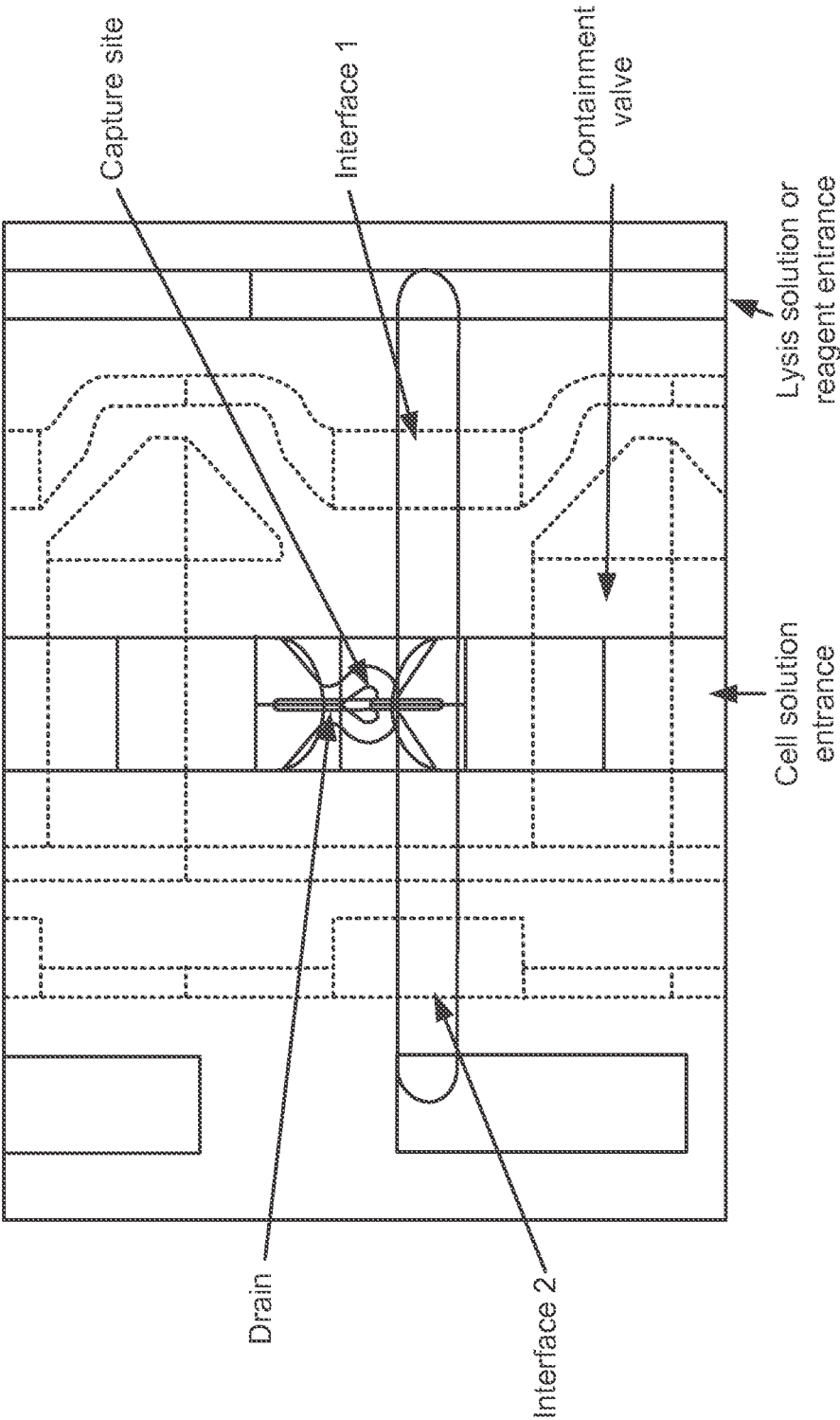


FIG. 12B

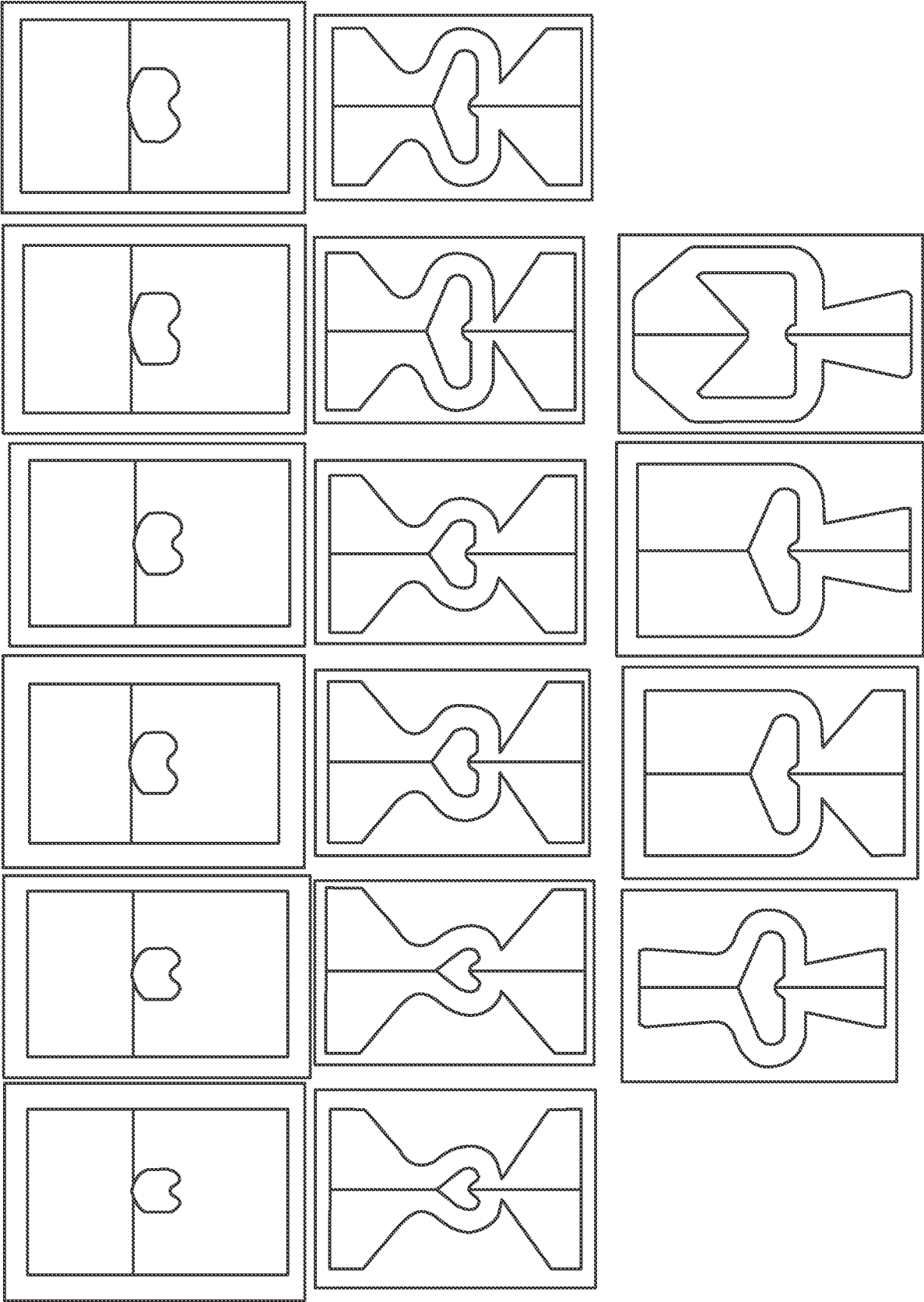


FIG. 13

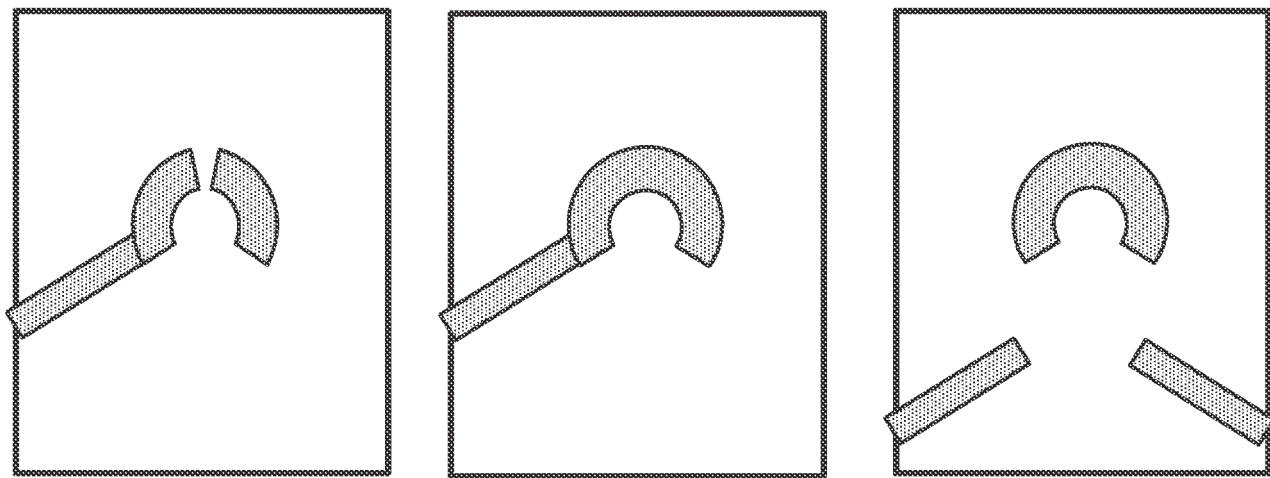


FIG. 14A

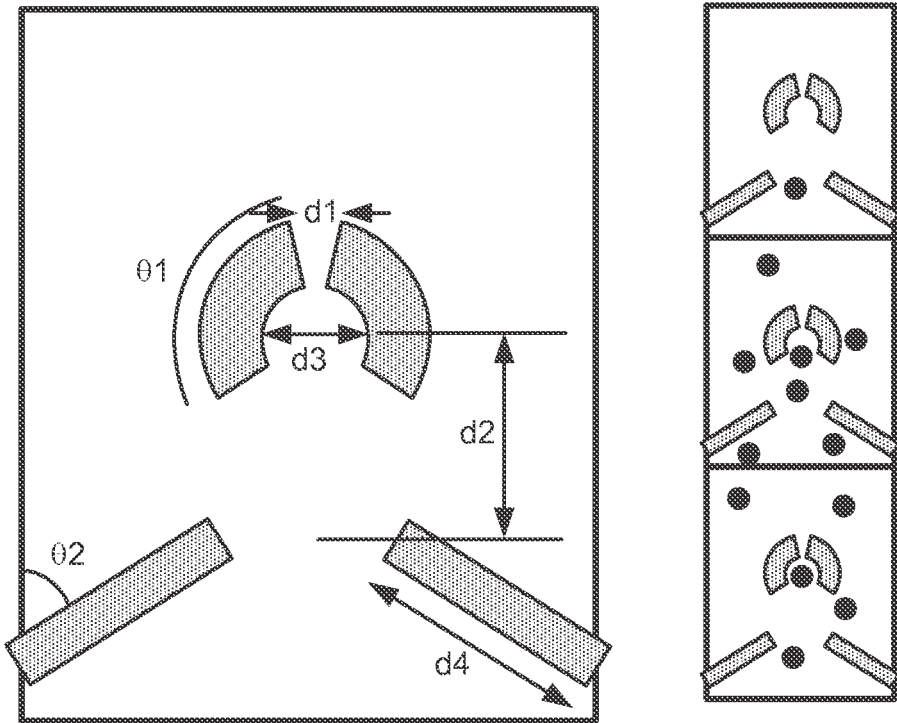


FIG. 14B

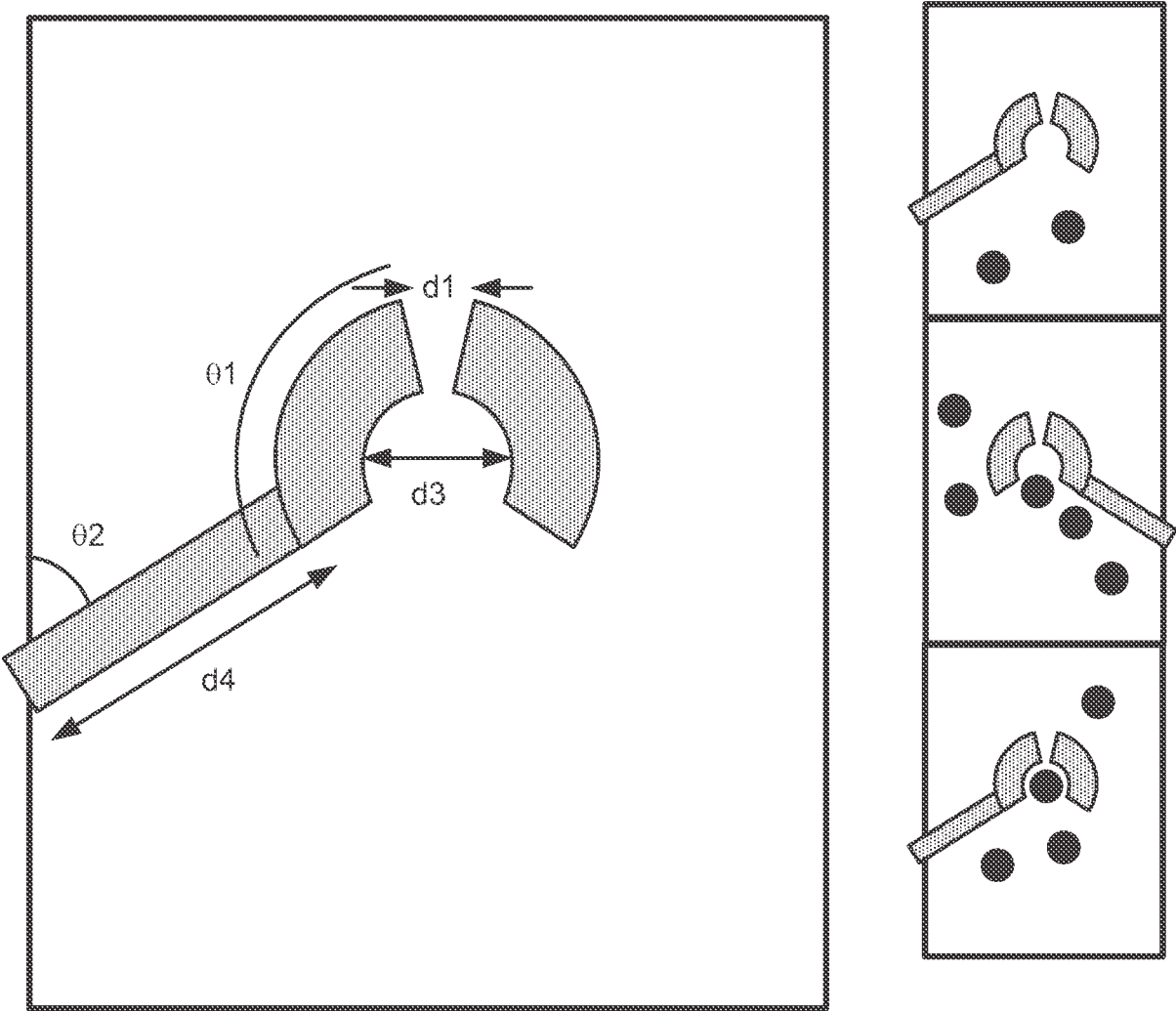


FIG. 14C

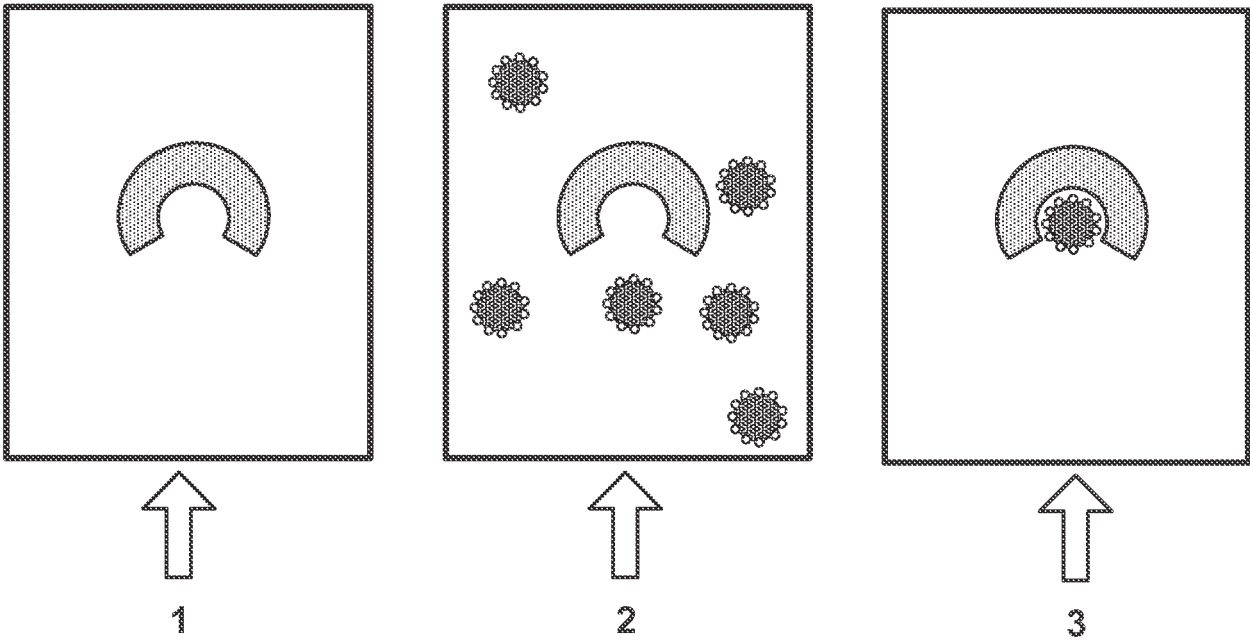


FIG. 15A

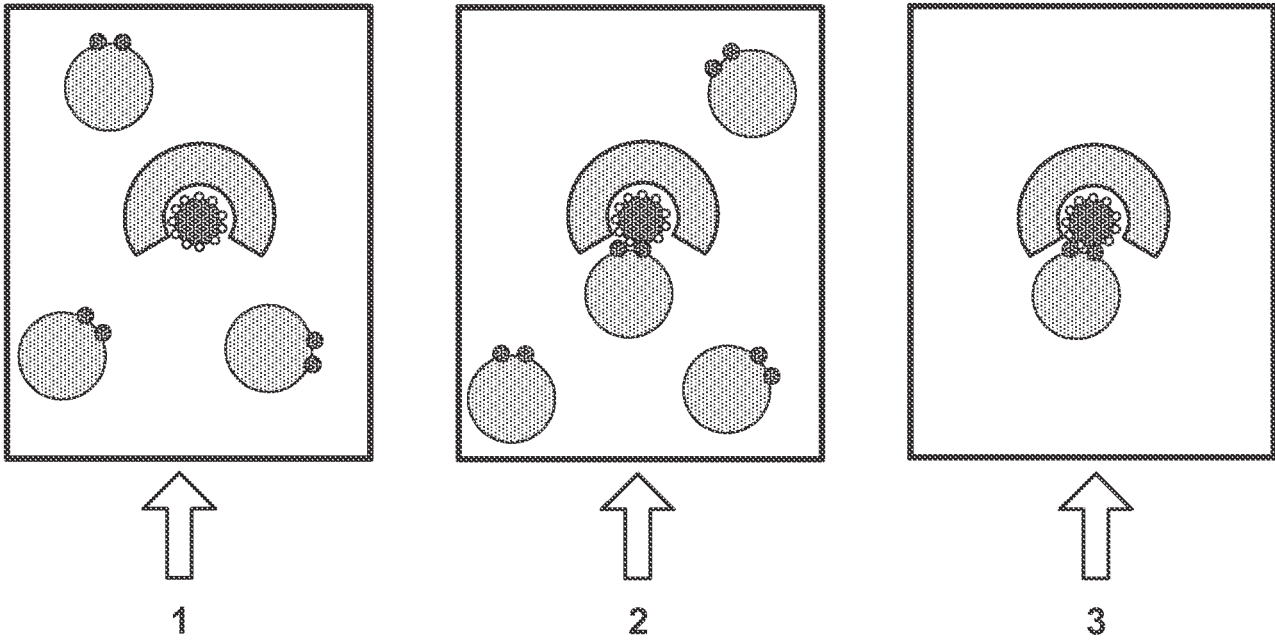


FIG. 15B

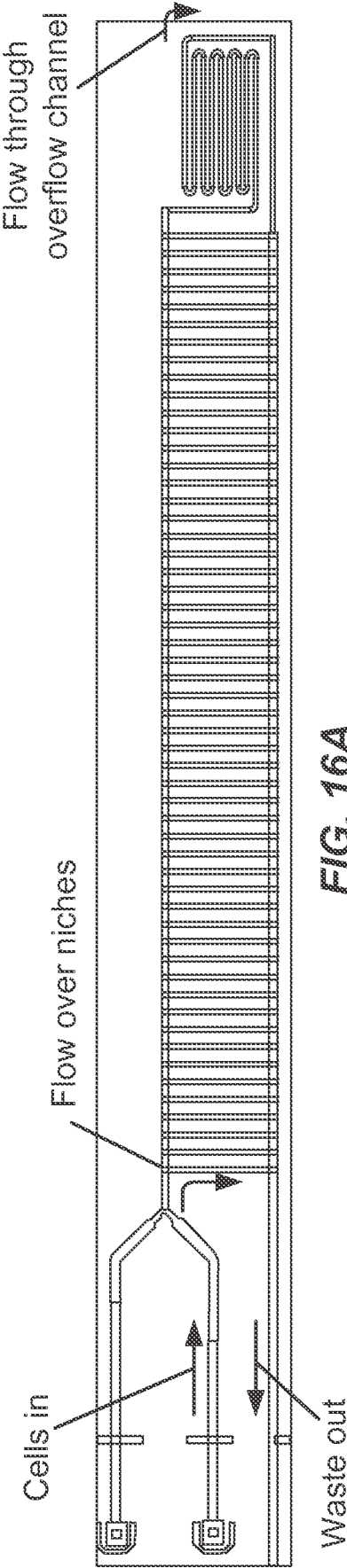


FIG. 16A

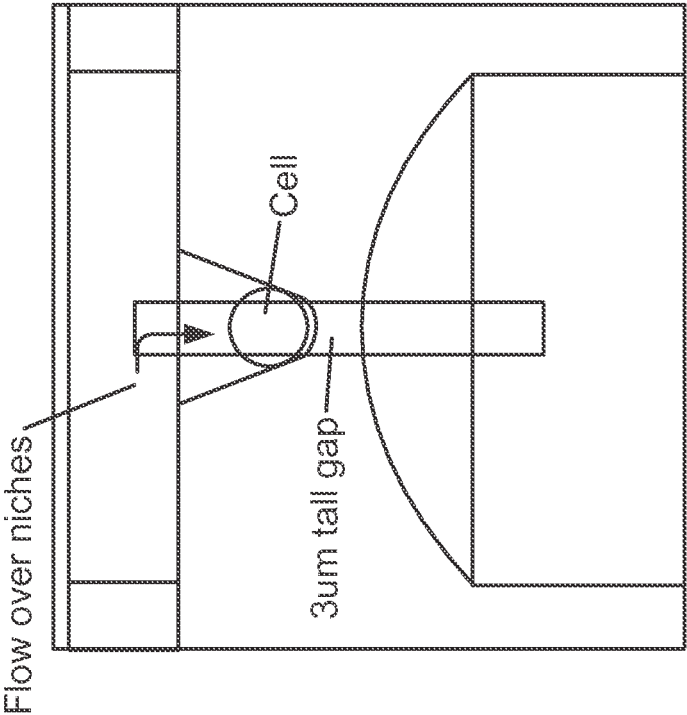


FIG. 16B

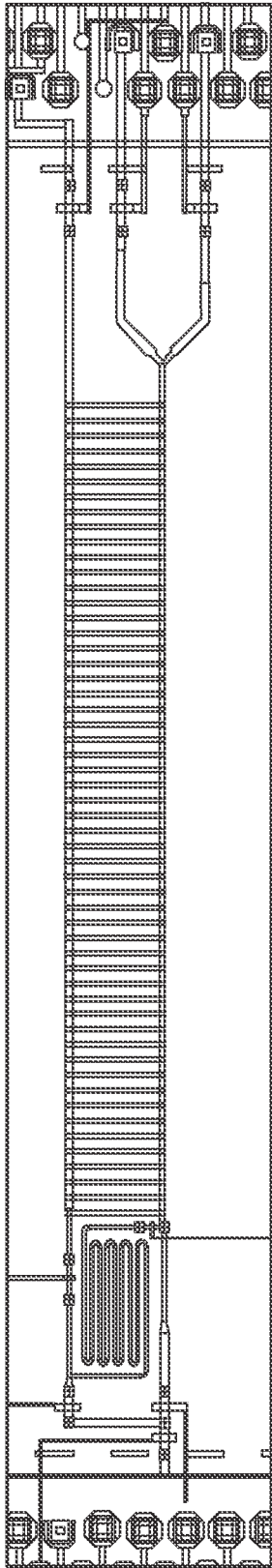


FIG. 16C

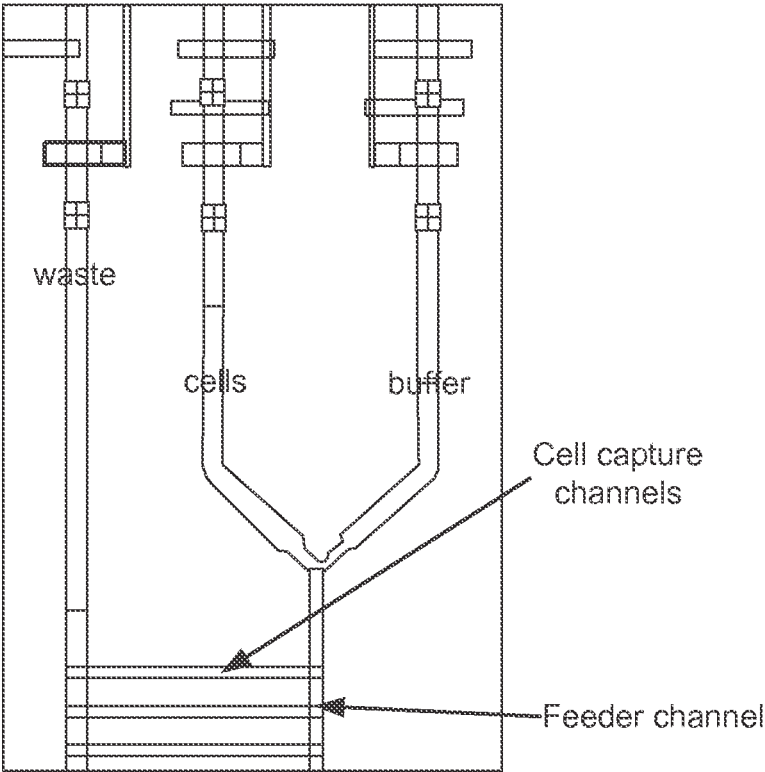


FIG. 16D

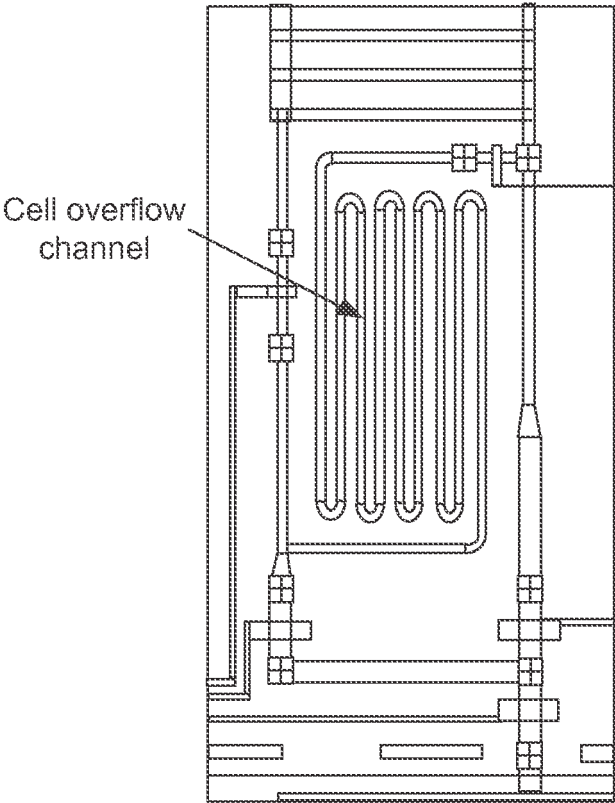


FIG. 16E

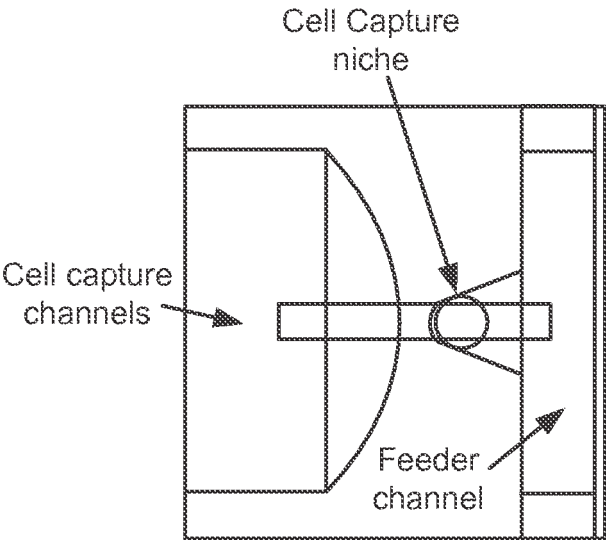


FIG. 16F

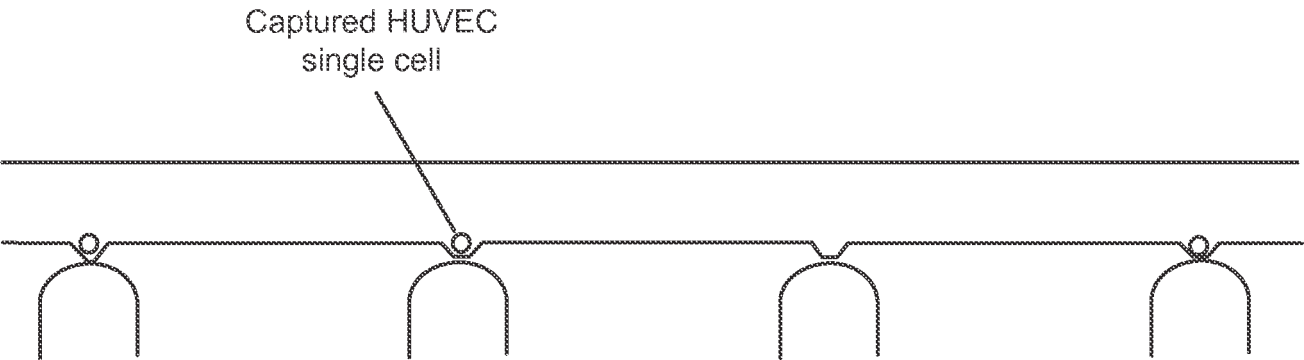


FIG. 16G