

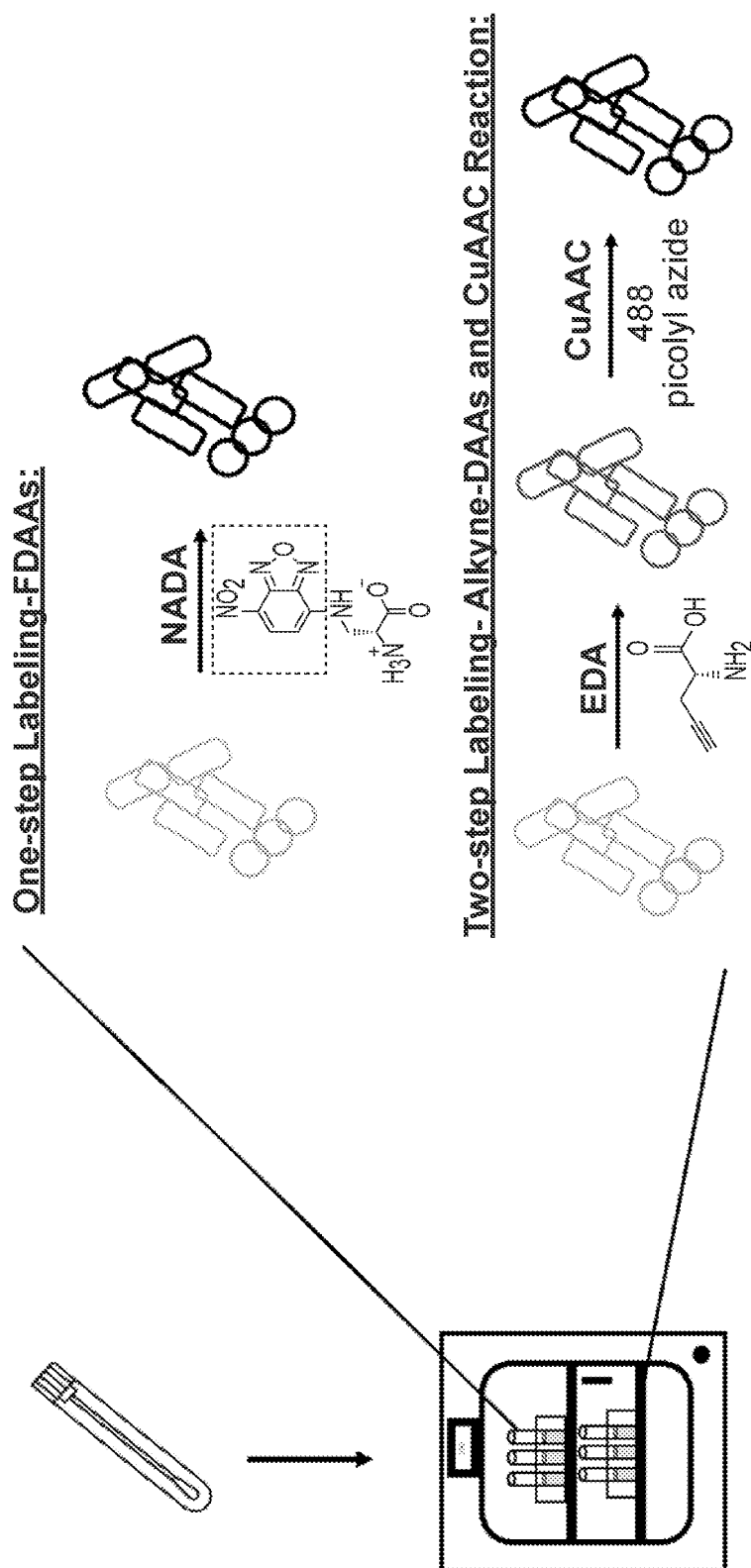


FIG. 1

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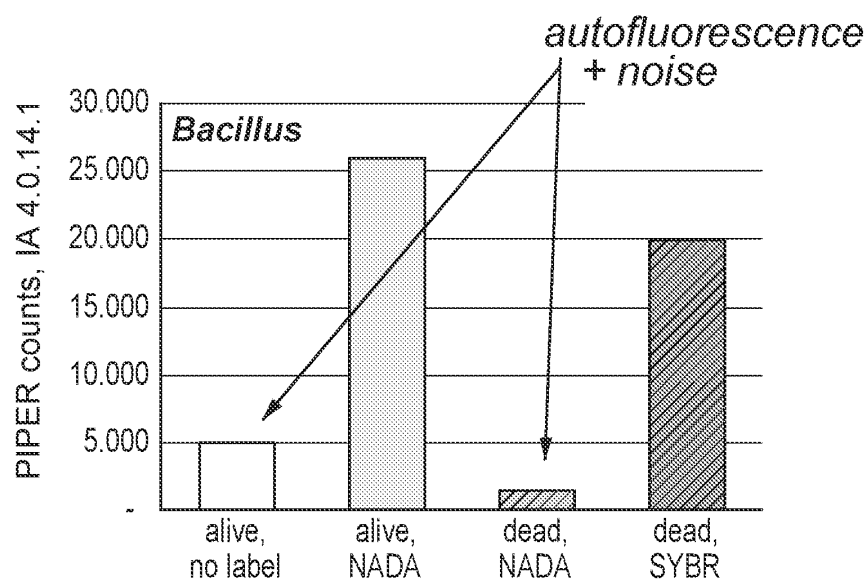


FIG. 2A

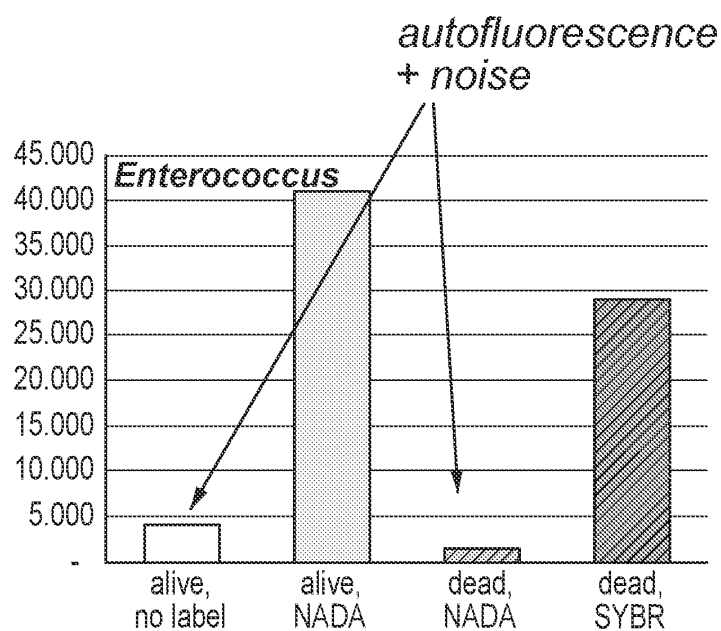


FIG. 2B

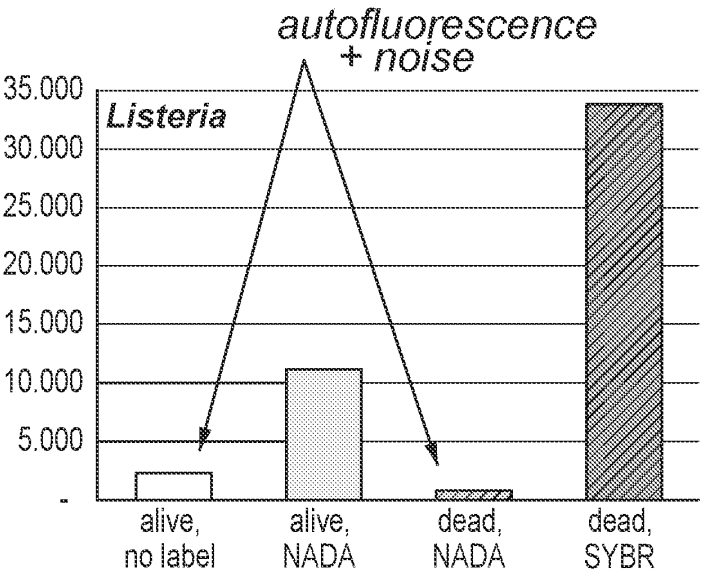


FIG. 2C

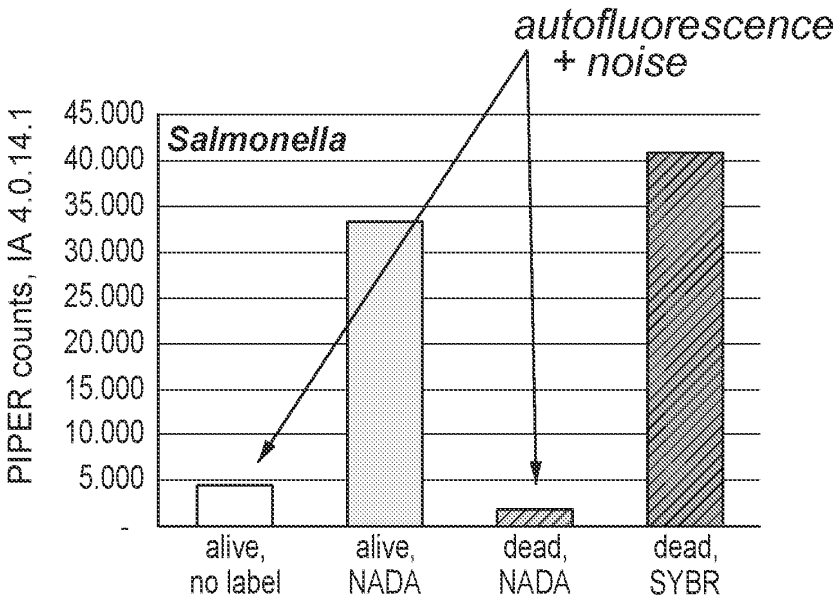


FIG. 2D

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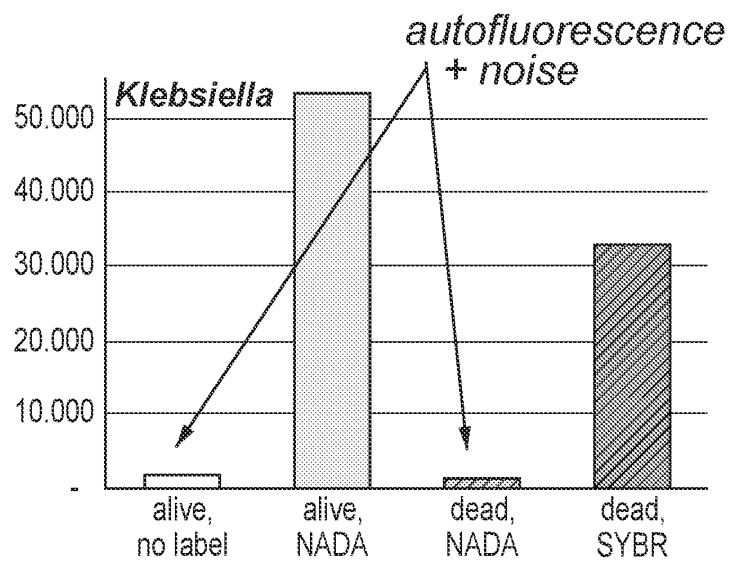


FIG. 2E

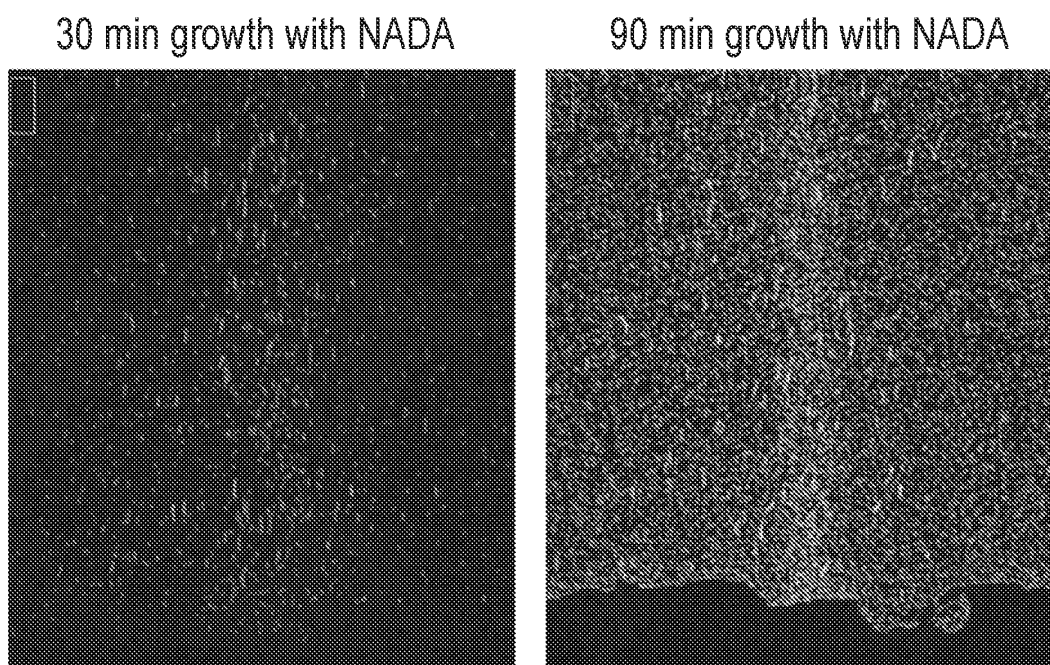


FIG. 3

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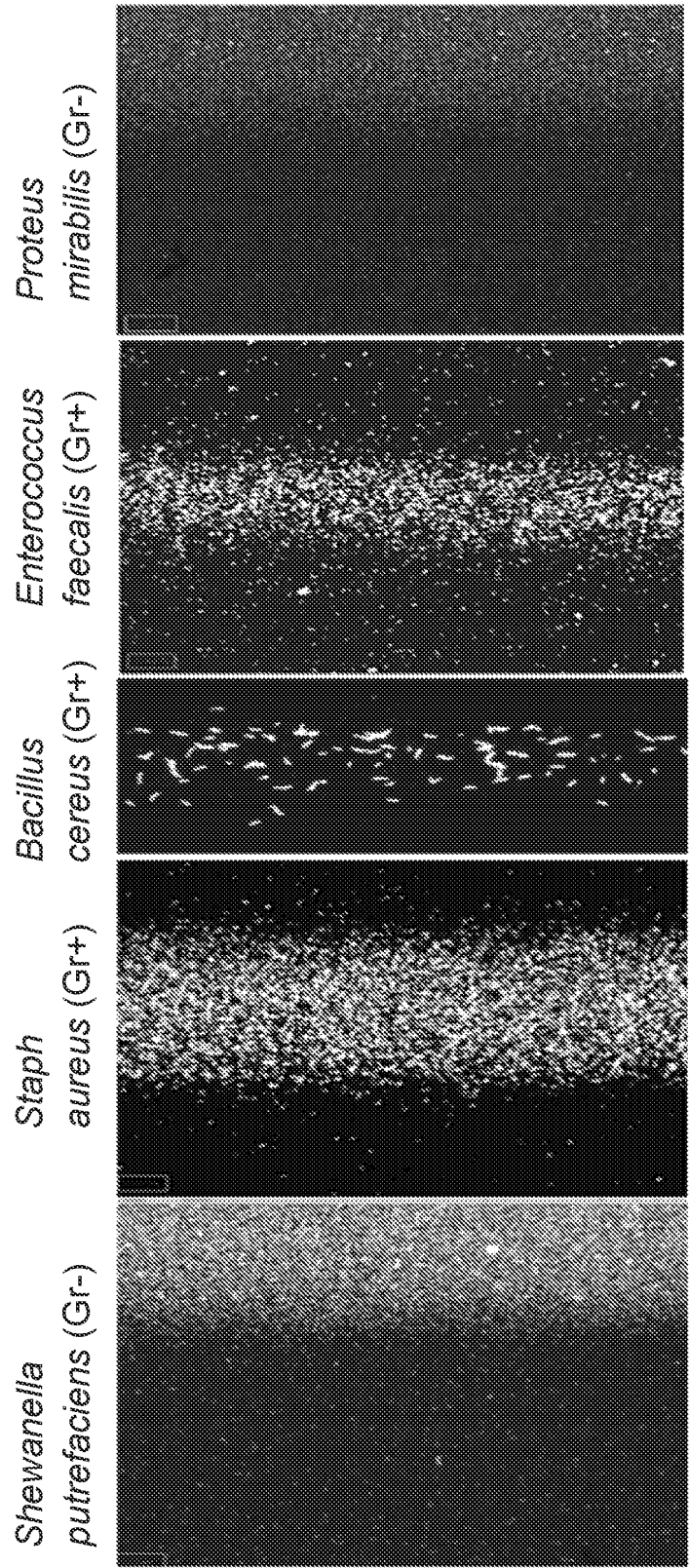


FIG. 4

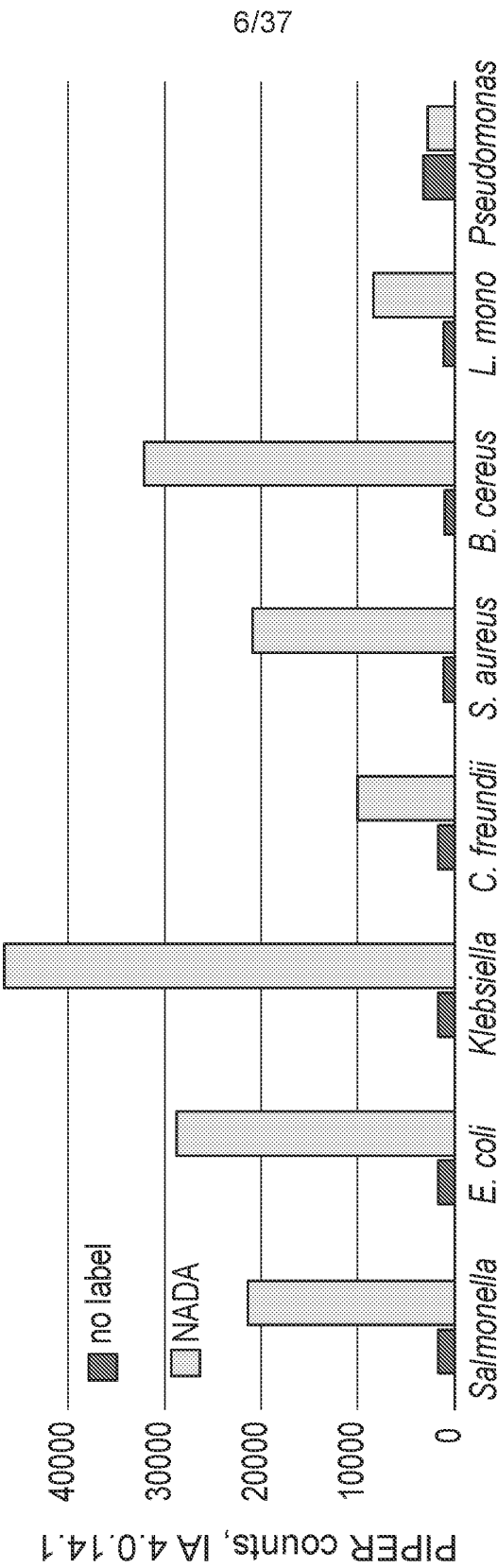


FIG. 5A

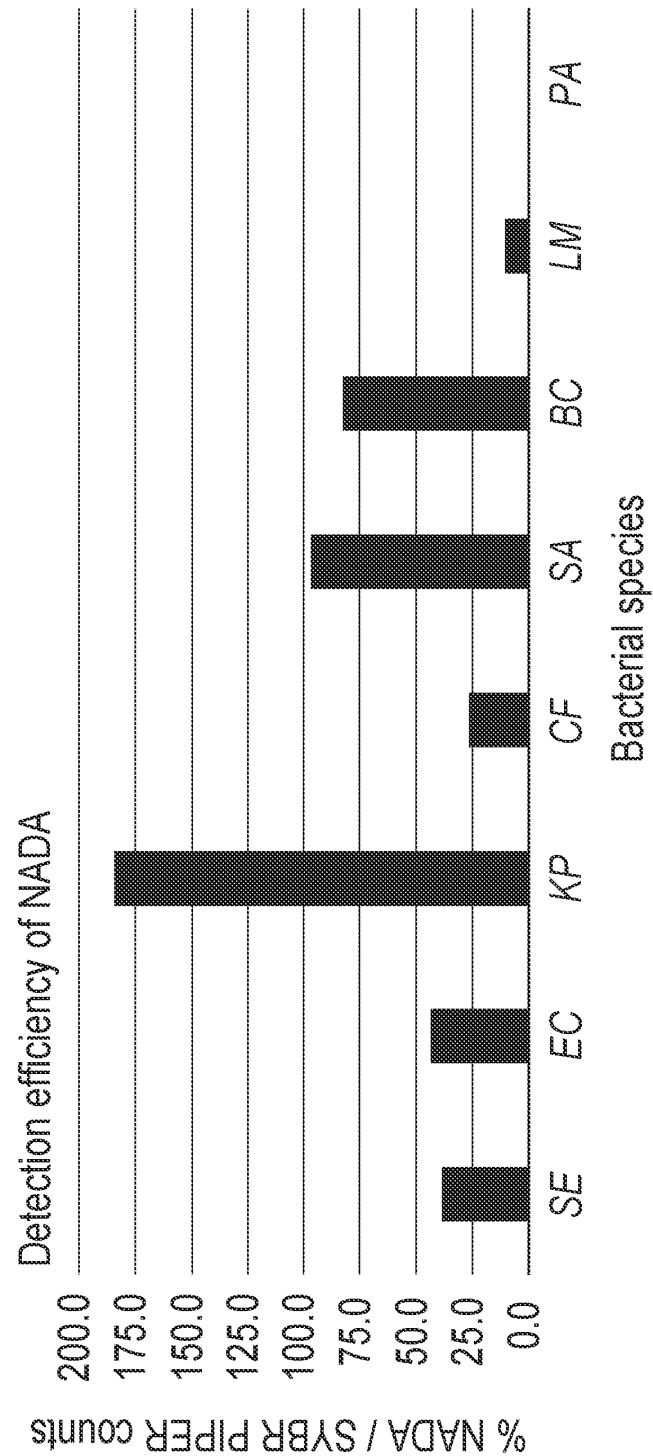
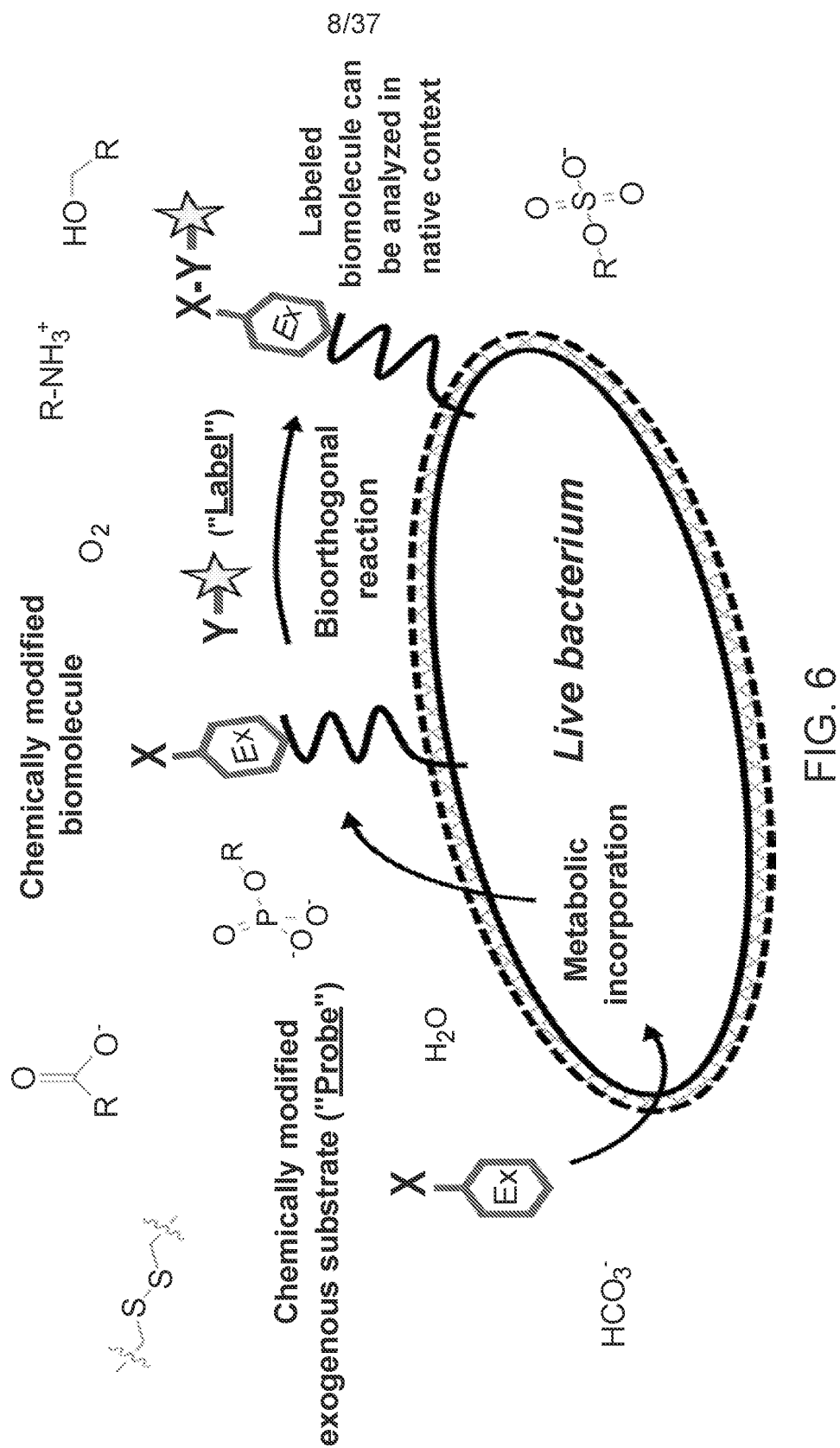


FIG. 5B



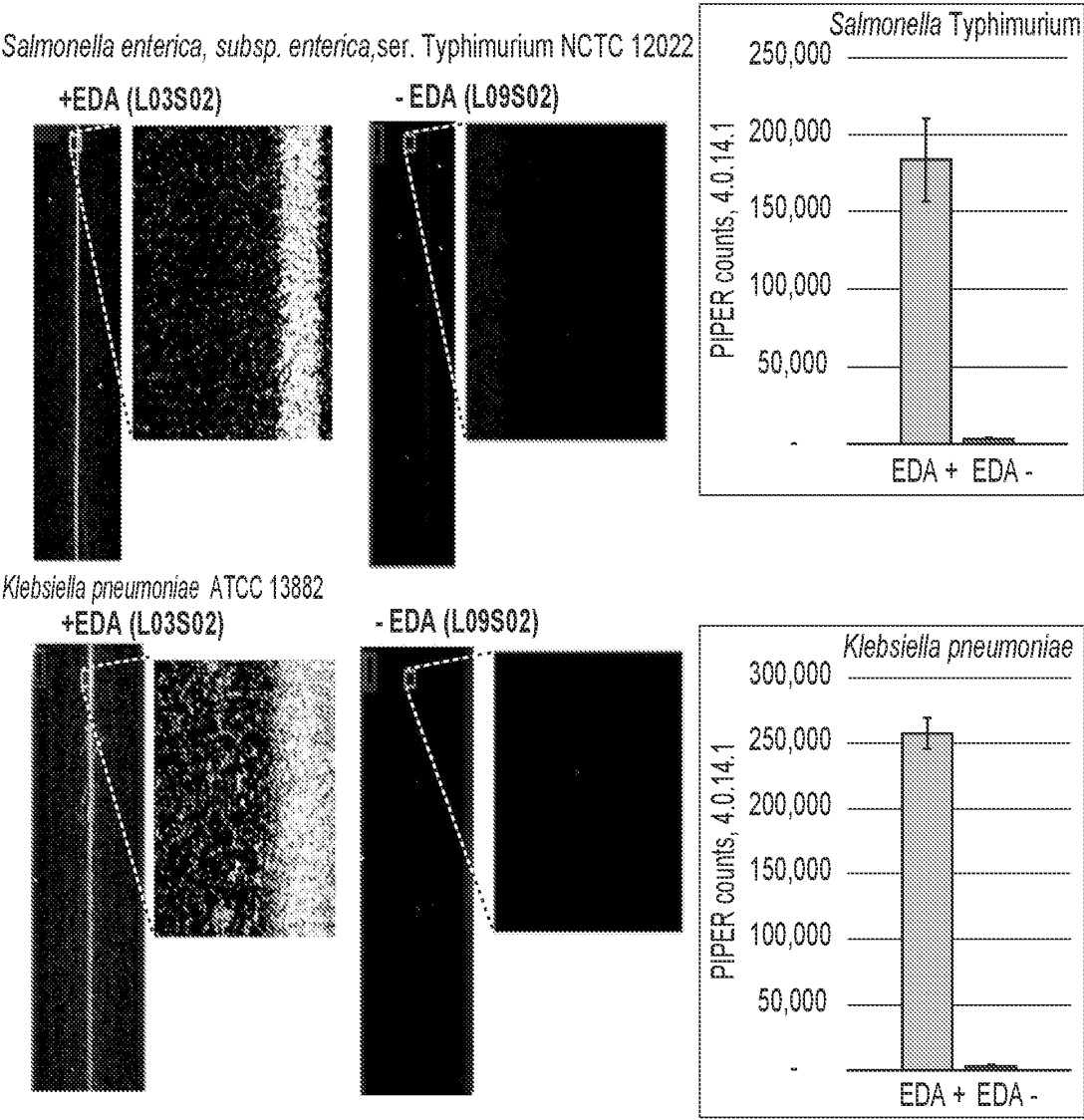


FIG. 7

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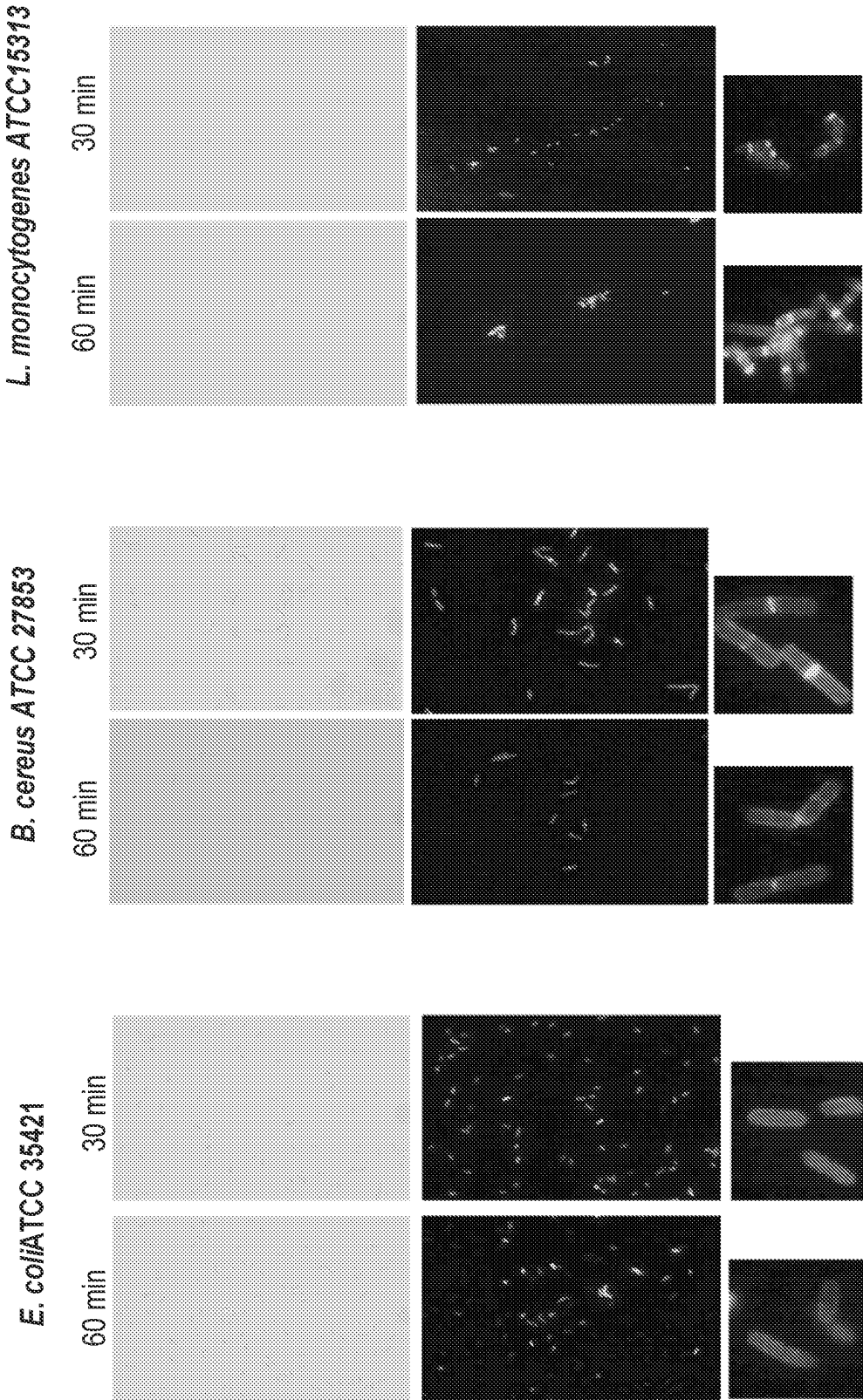


FIG. 8

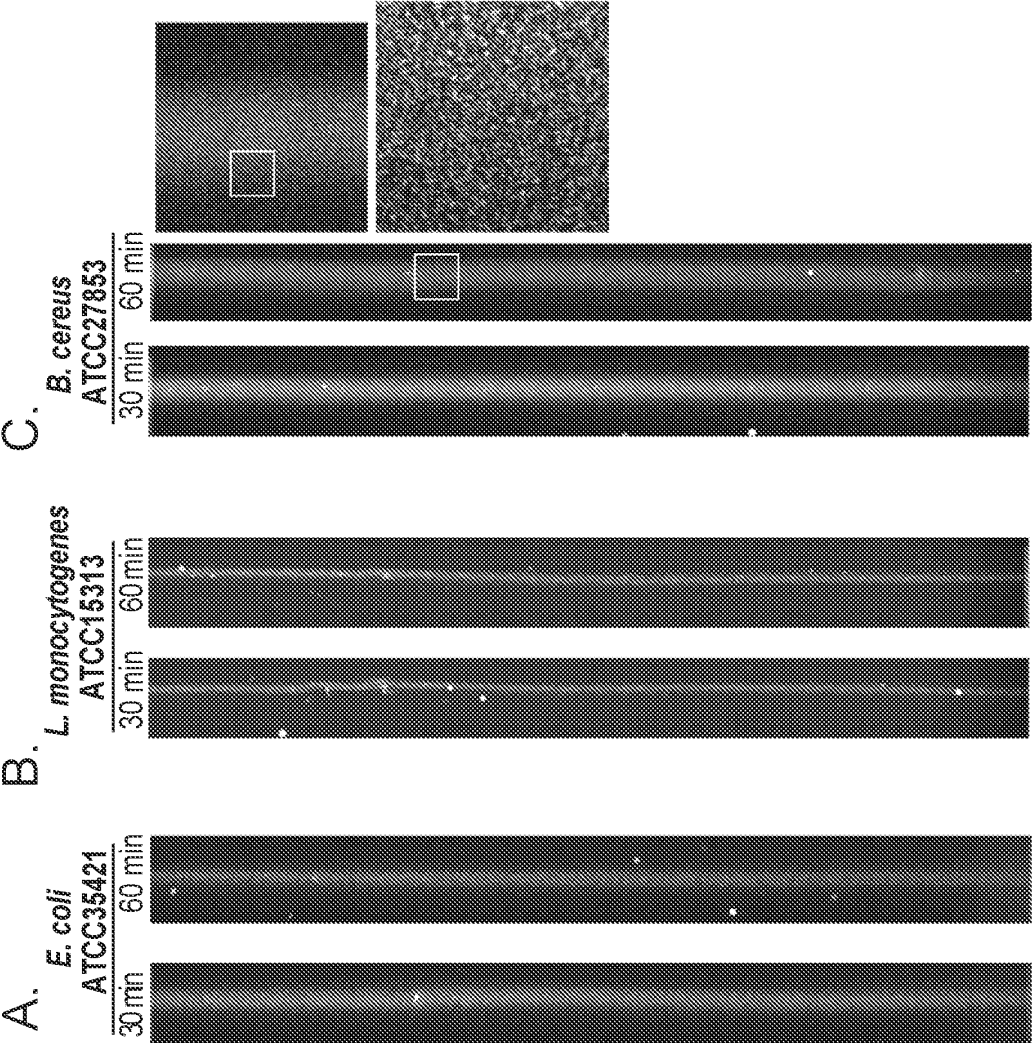
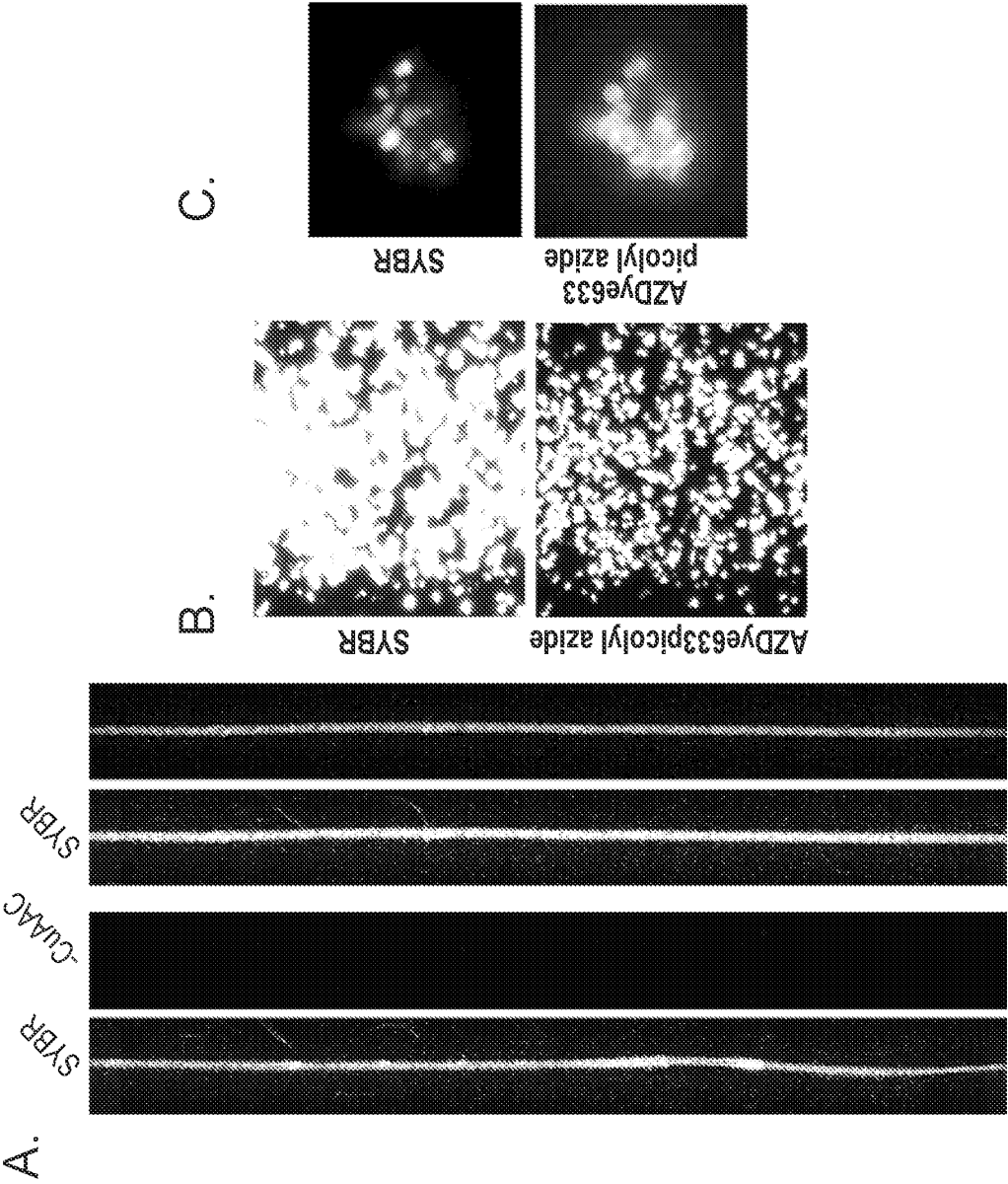


FIG. 9



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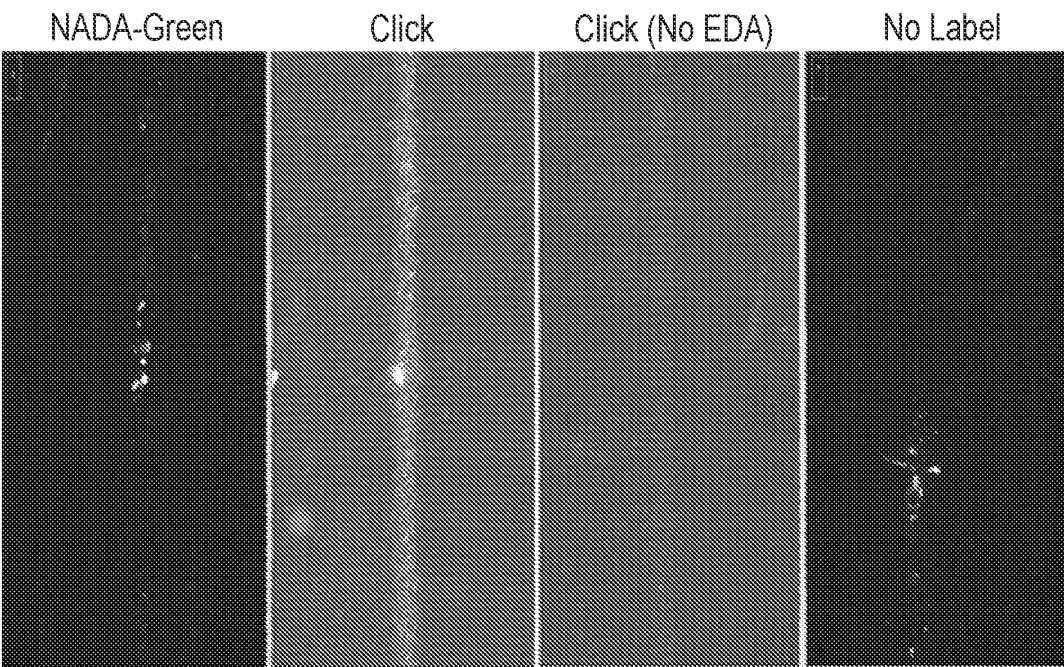


FIG. 11A

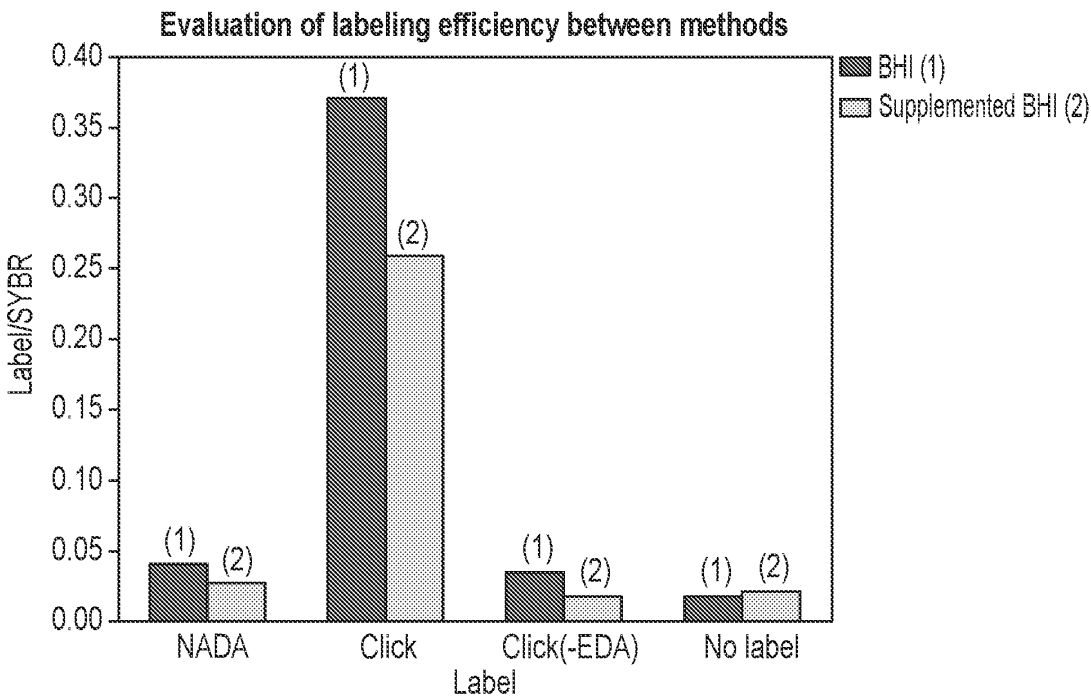


FIG. 11B

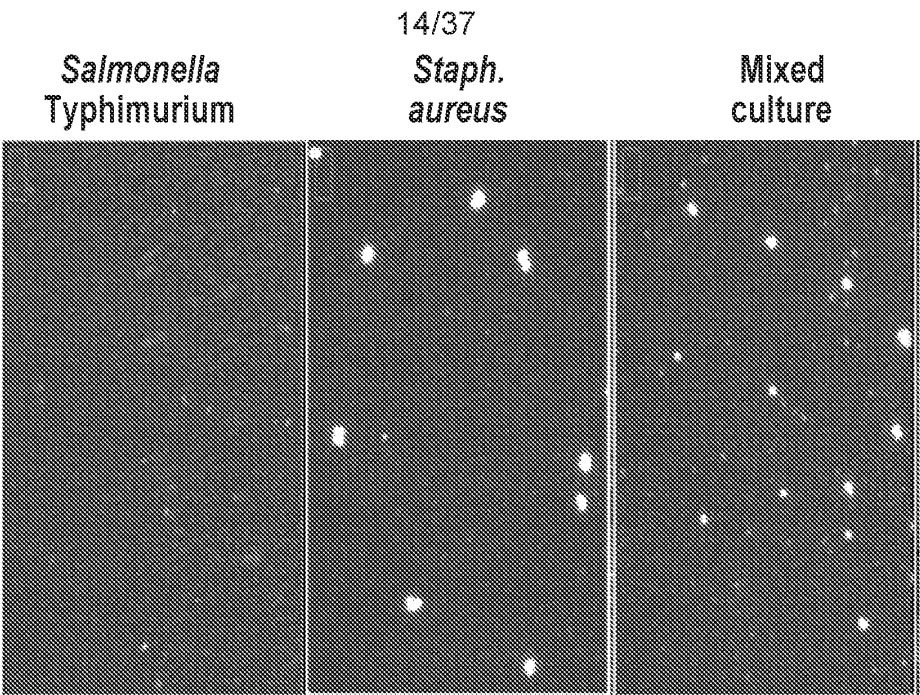
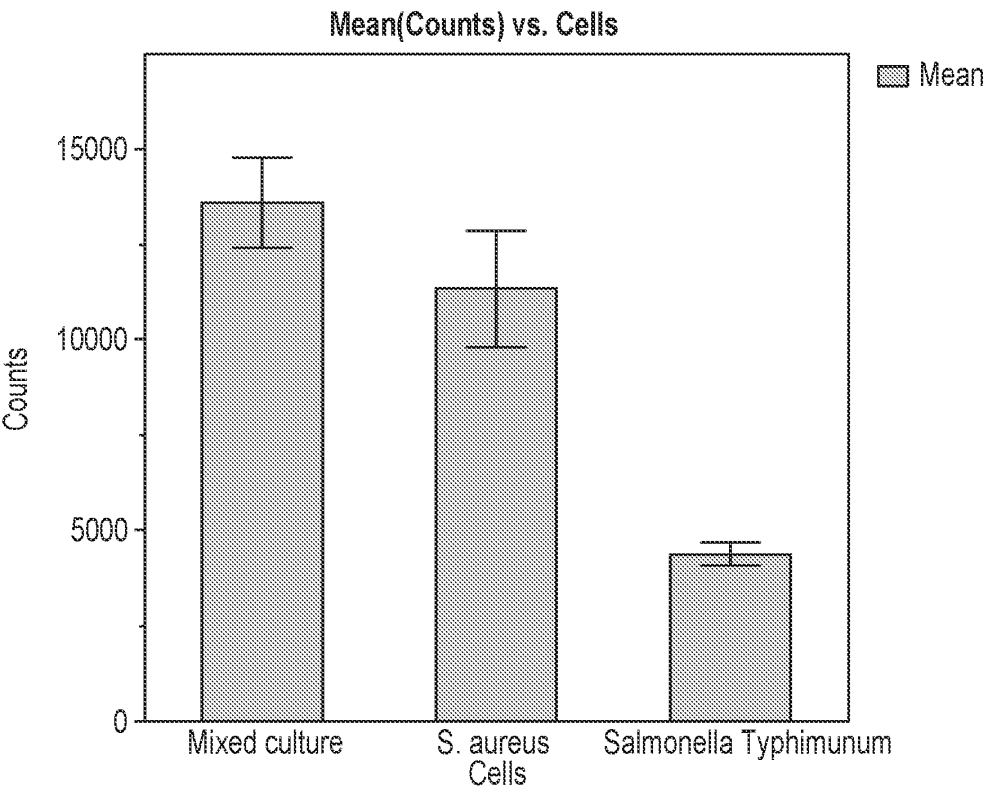


FIG. 12A



Each error bar is constructed using 1 standard error from the mean.

FIG. 12B

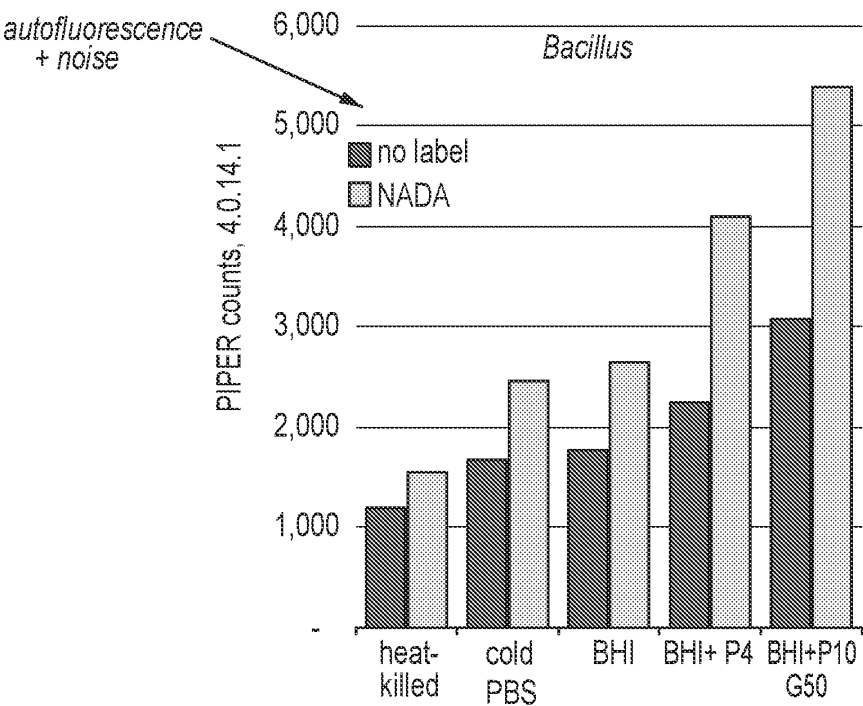


FIG. 13A

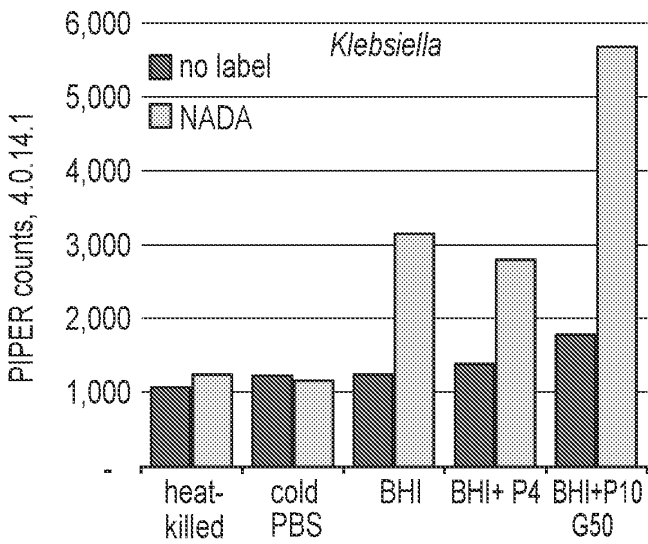


FIG. 13B

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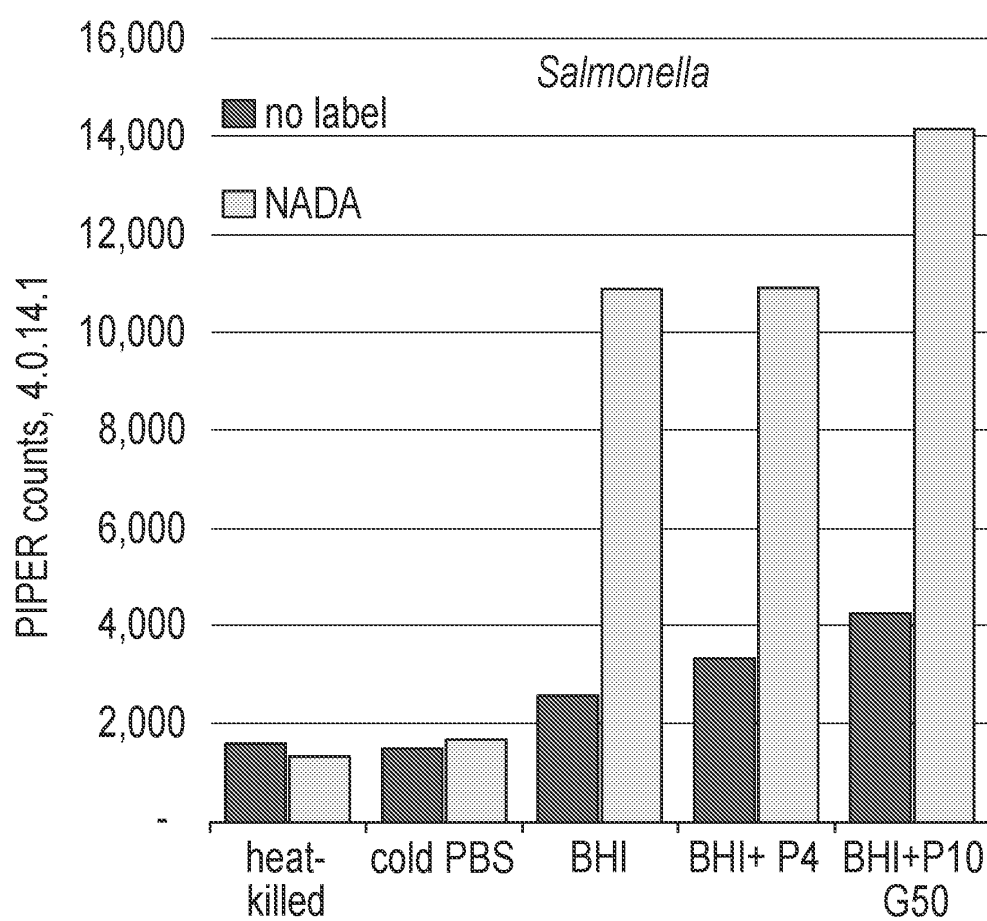


FIG. 13C

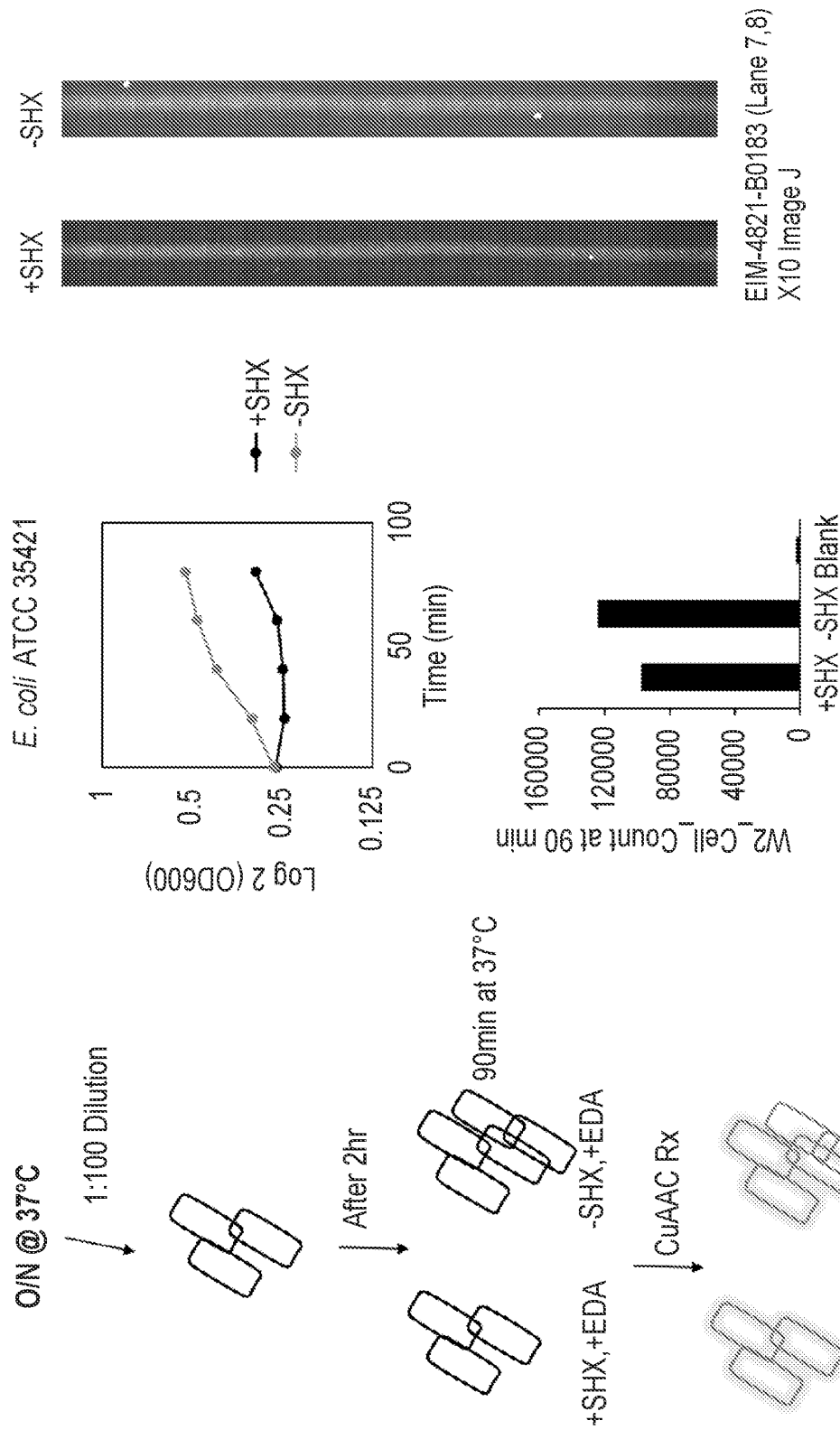


FIG. 14

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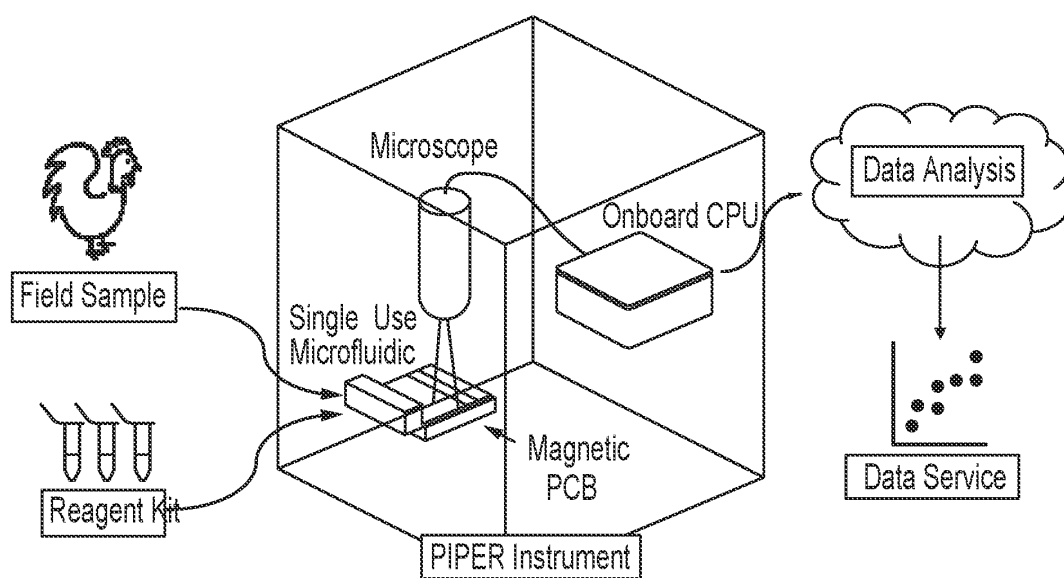


FIG. 15A

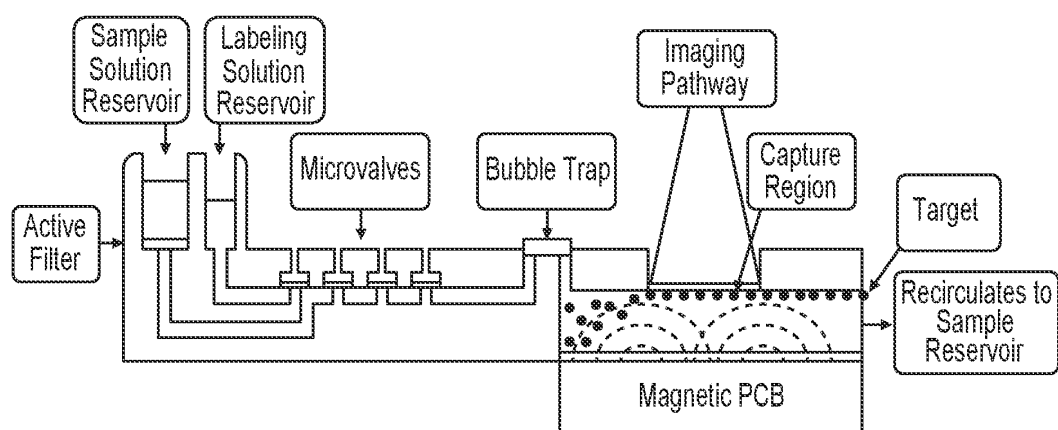


FIG. 15B

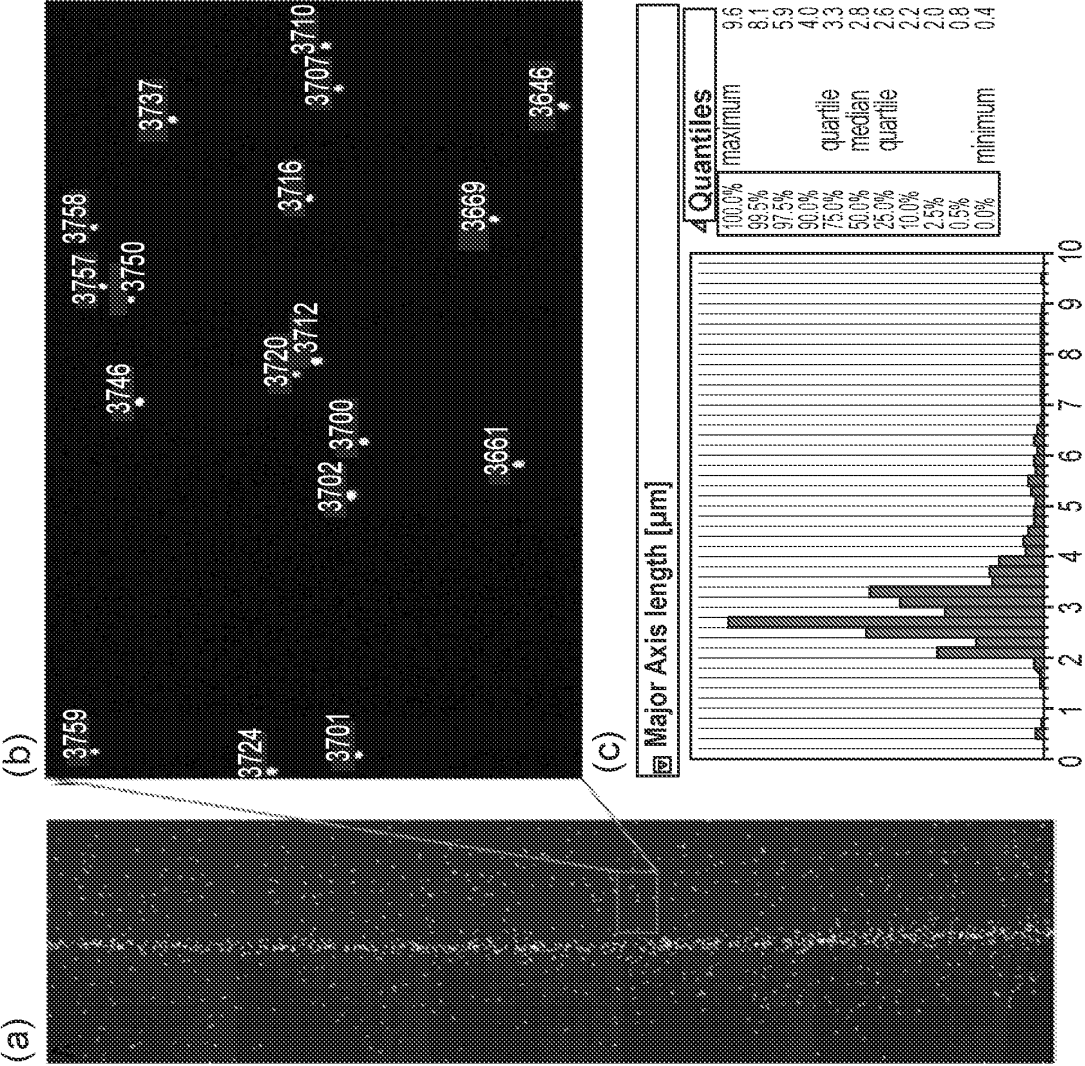


FIG. 16

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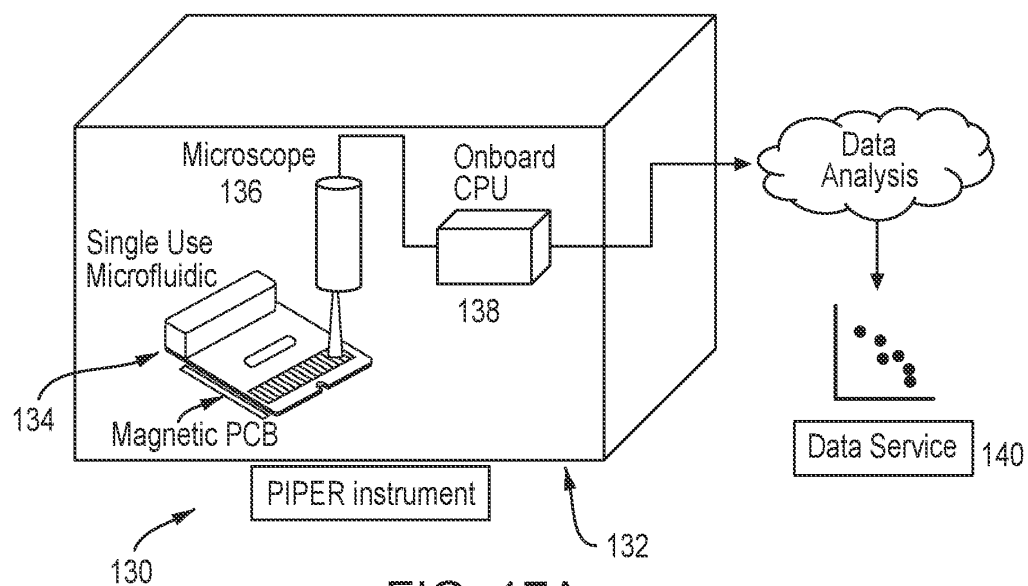


FIG. 17A

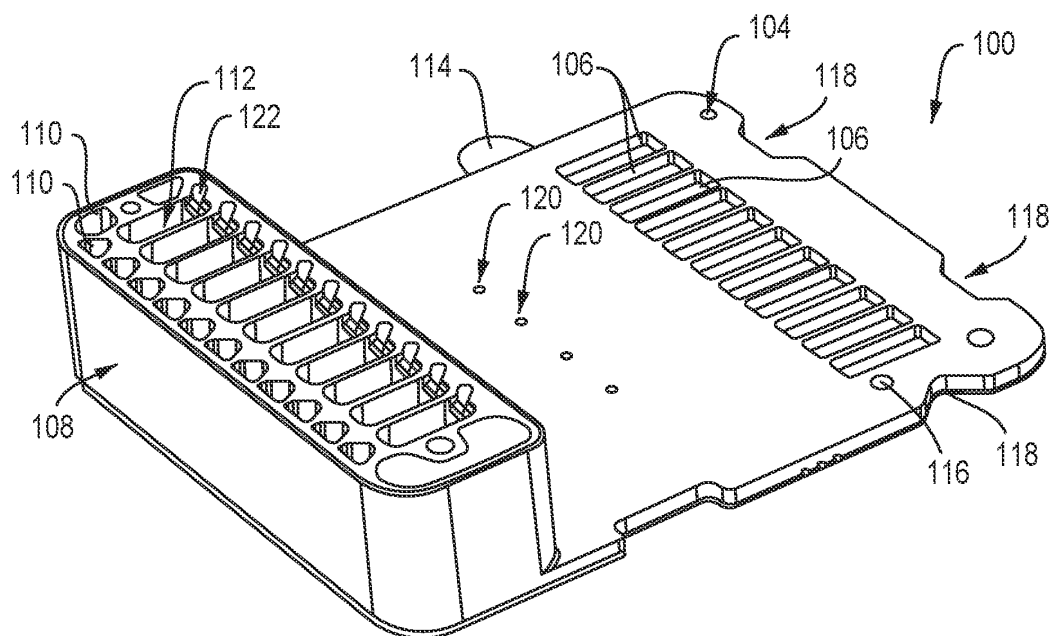


FIG. 17B

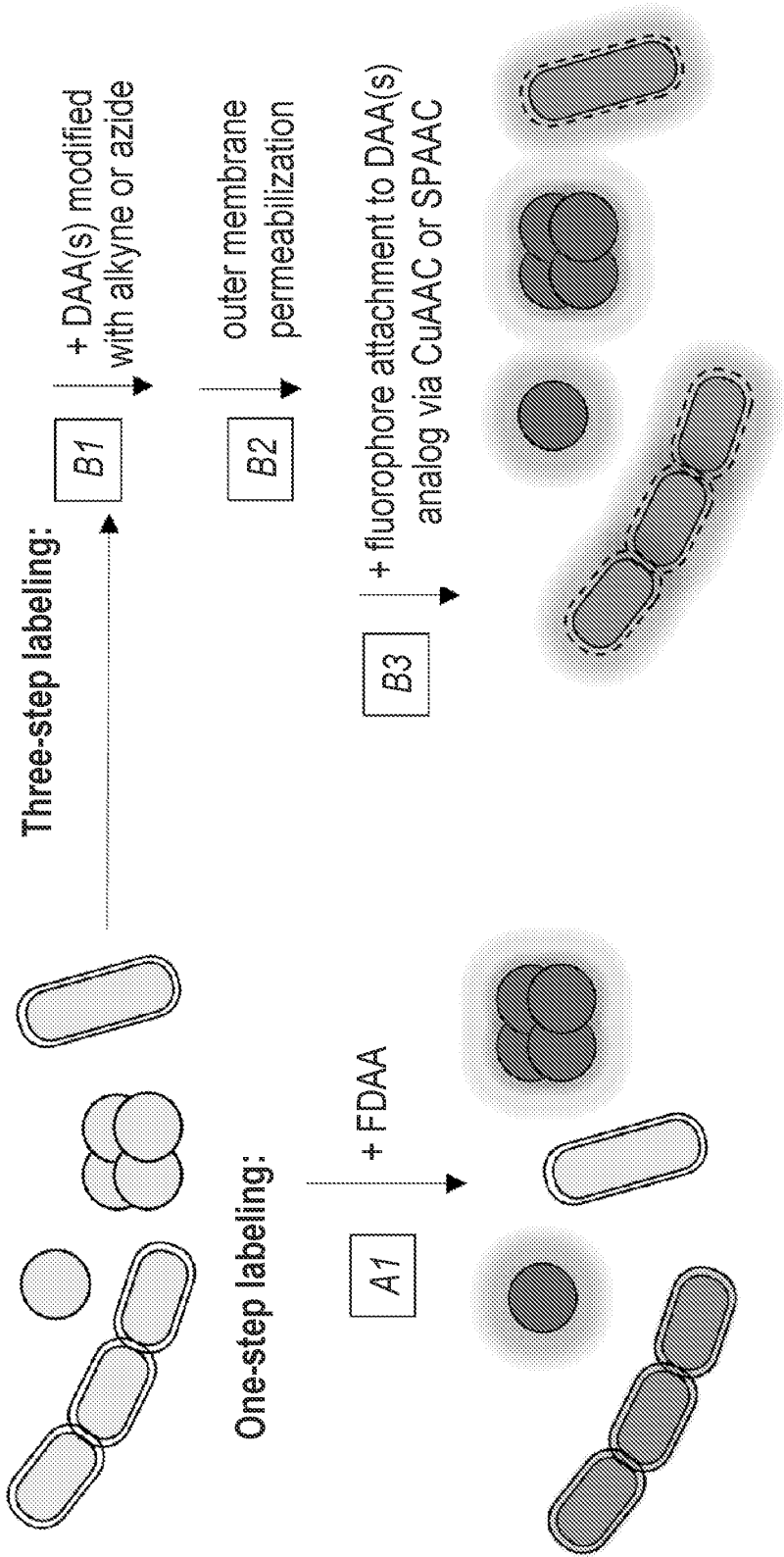


FIG. 18

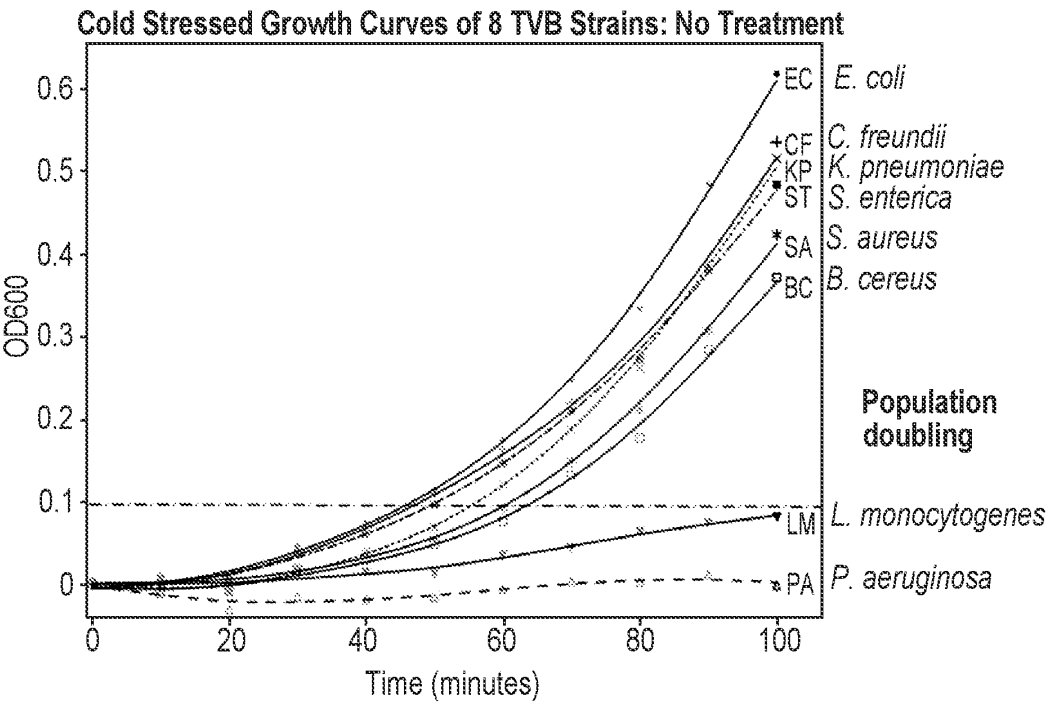


FIG. 19A

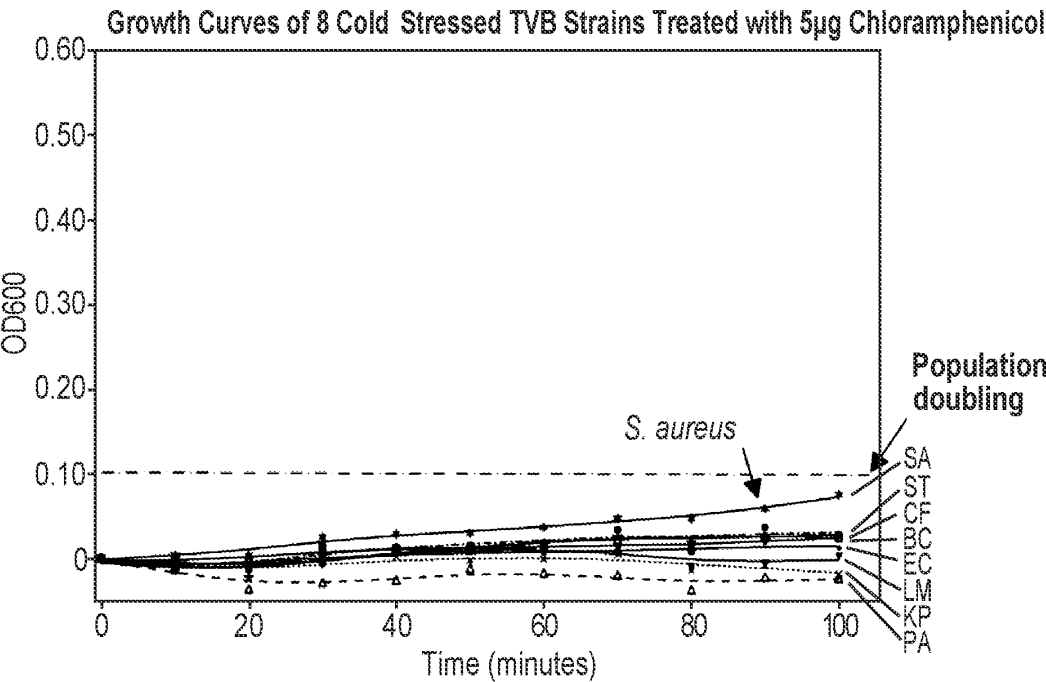


FIG. 19B

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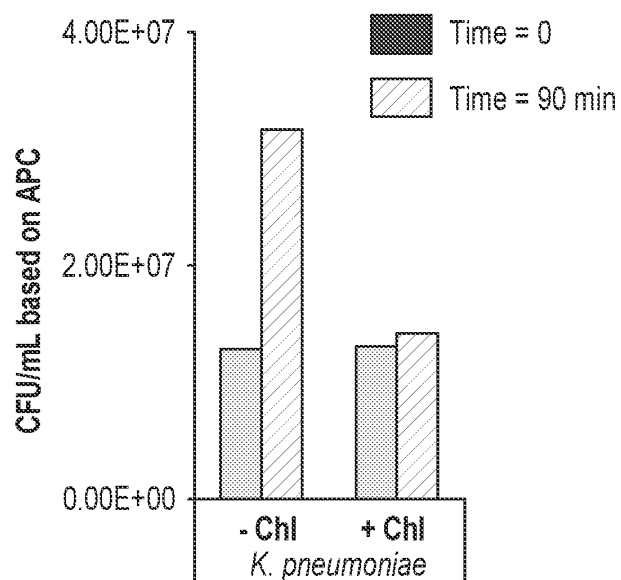


FIG. 19C

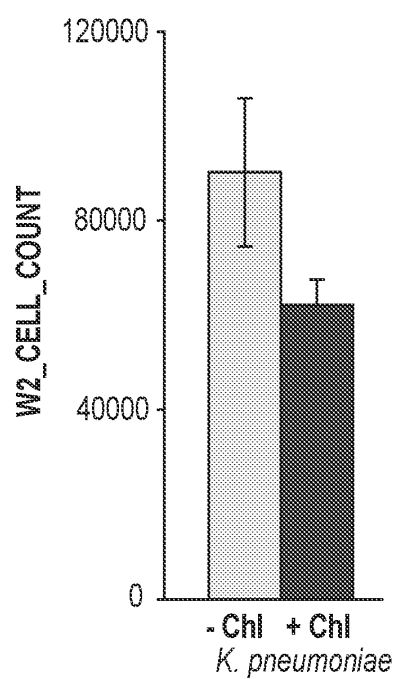
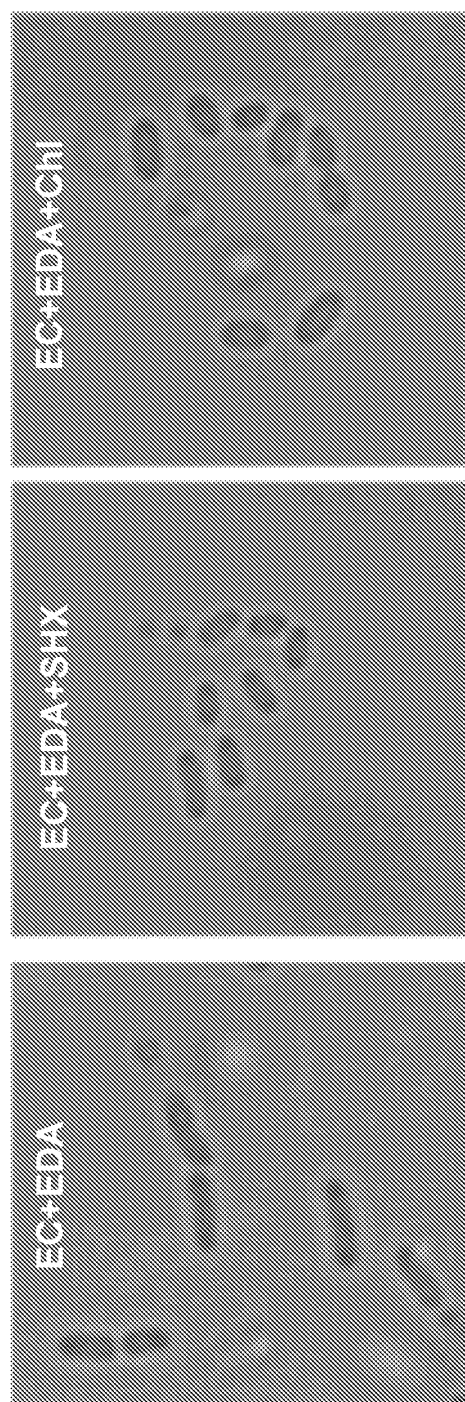


FIG. 19D

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(2hr) Size of *E. coli* decrease with inhibitors

FIG. 19E

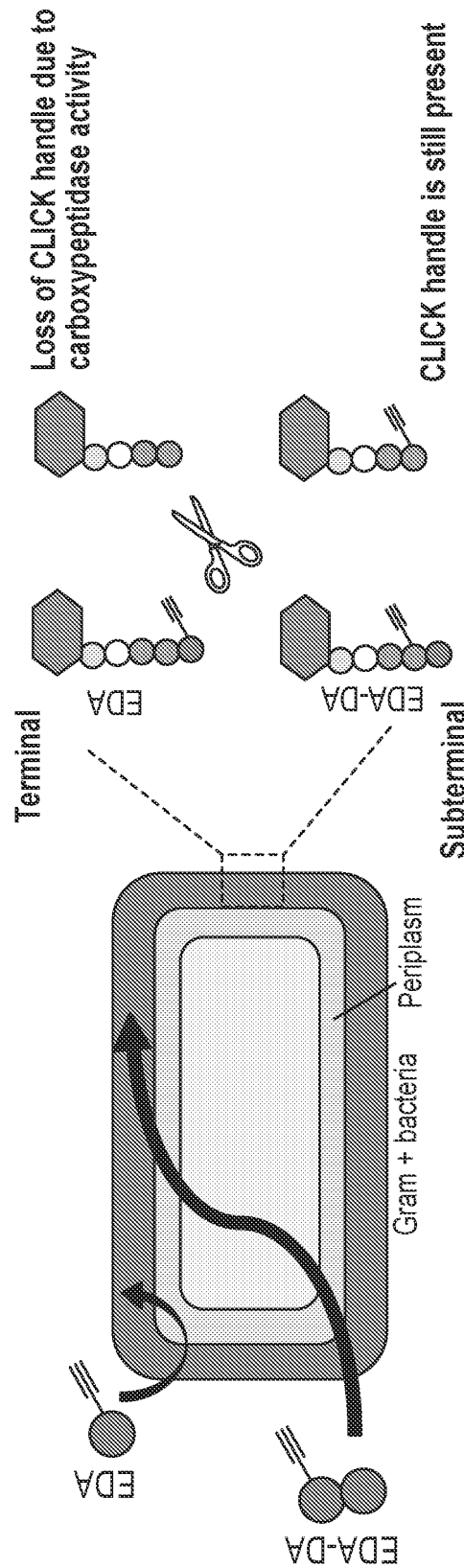


FIG. 20A

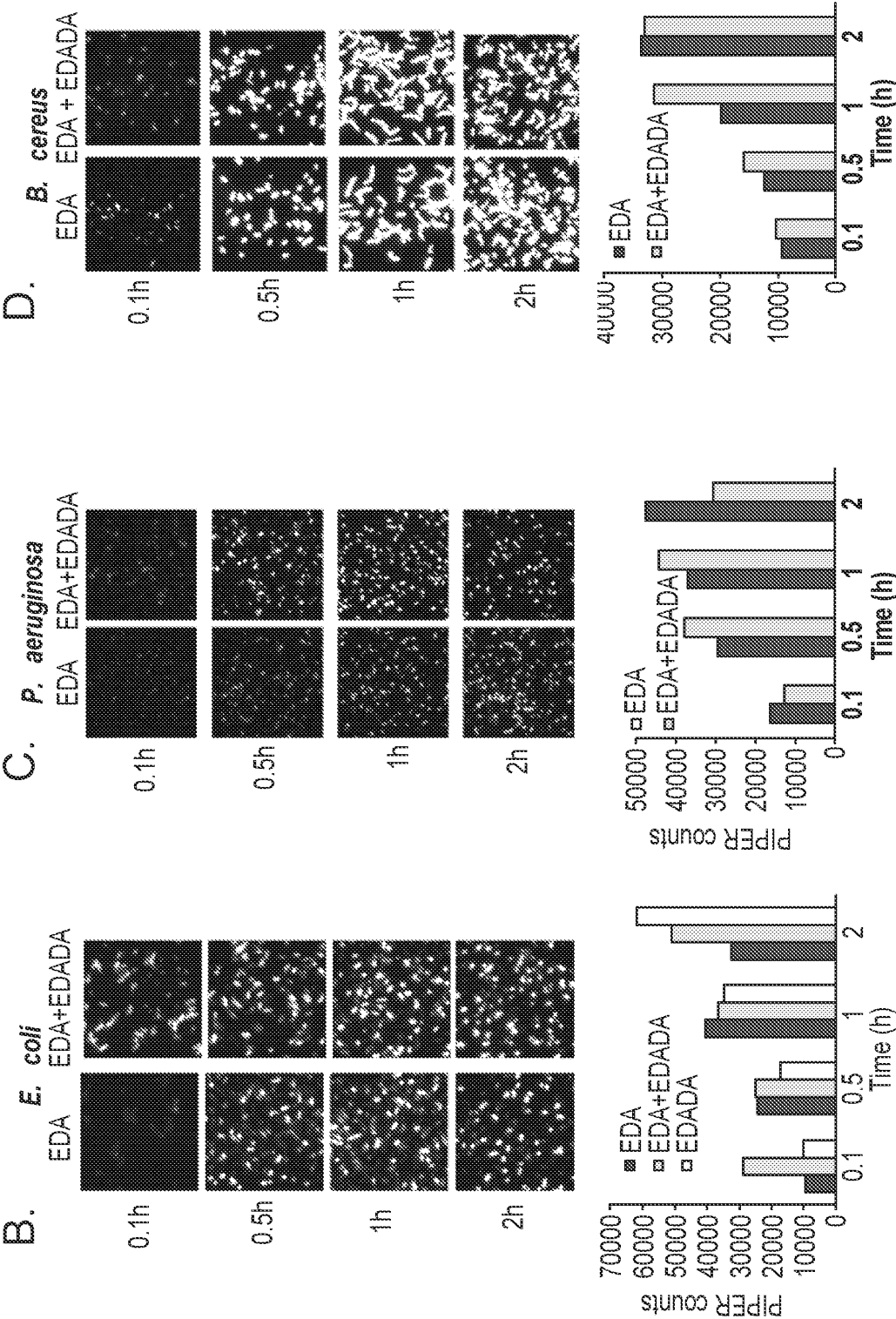


FIG. 20B-D

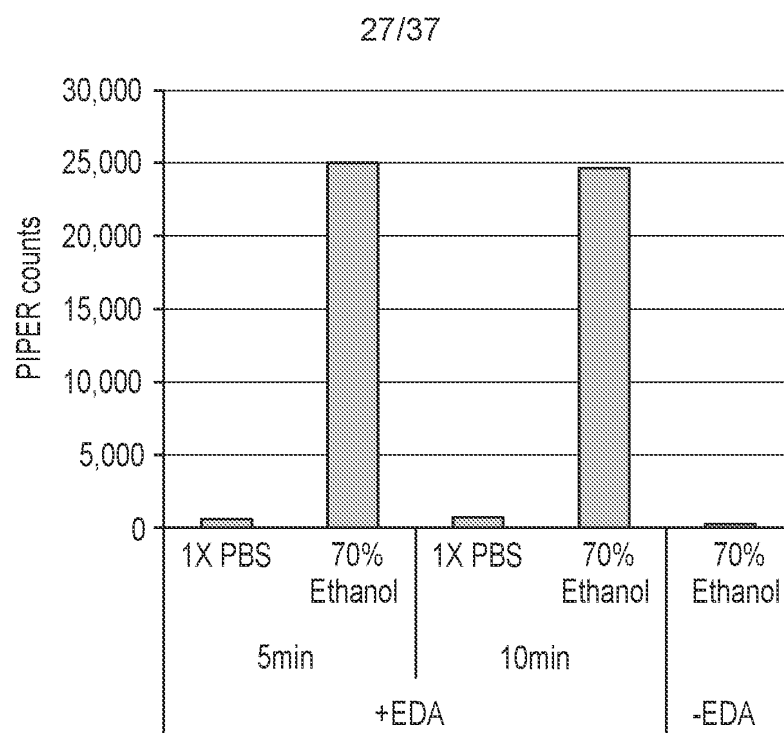


FIG. 21A

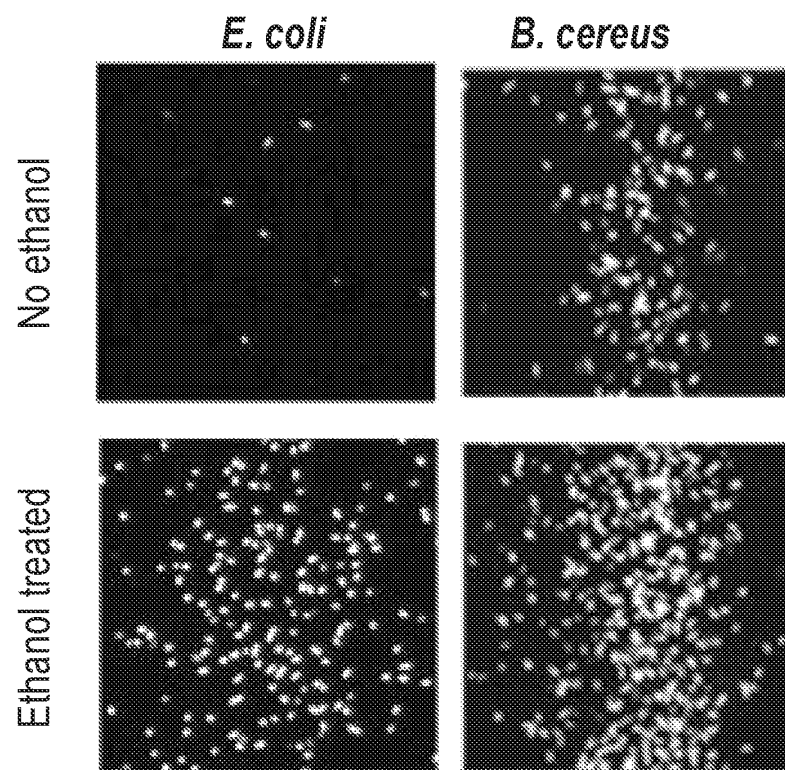


FIG. 21B

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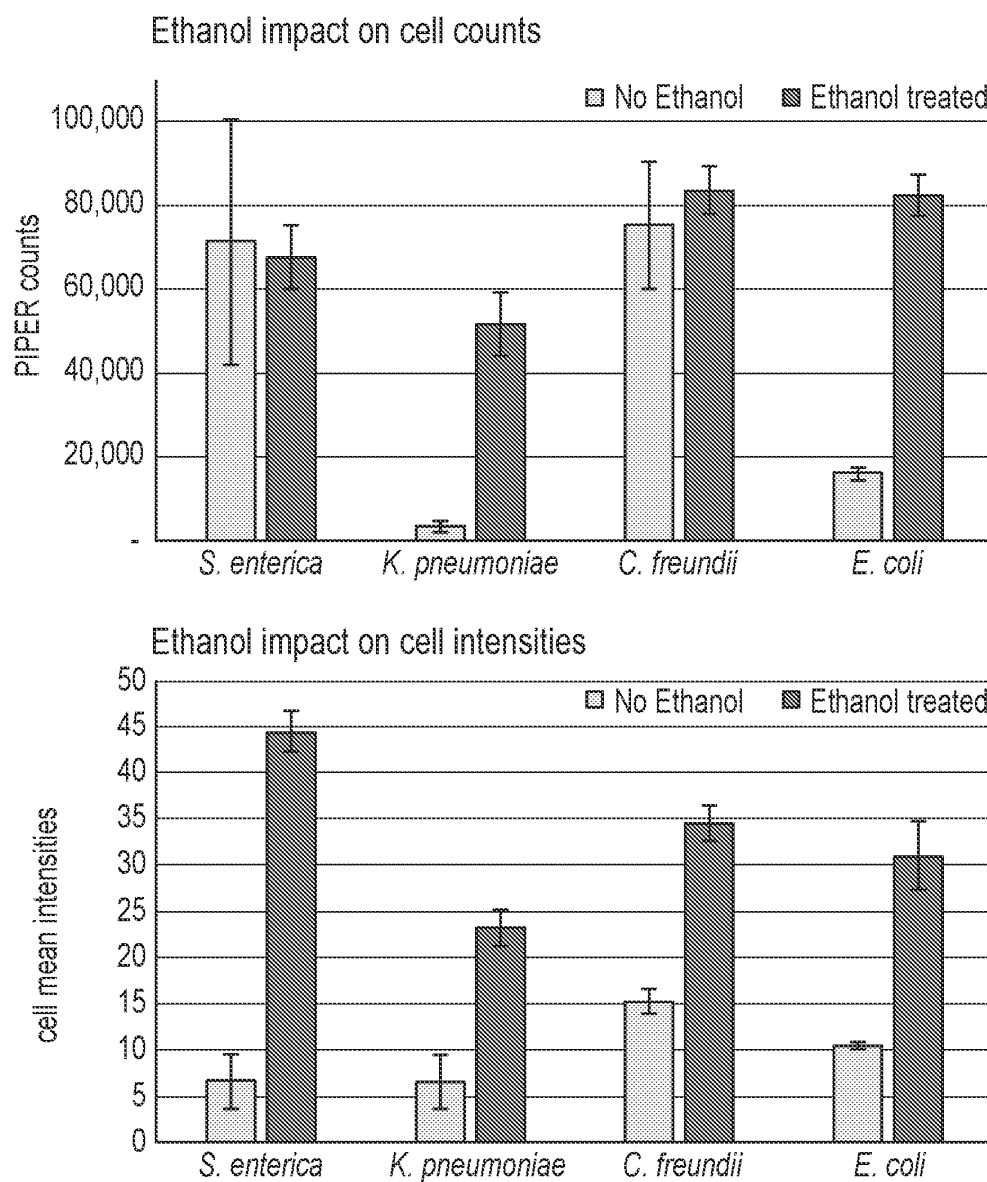
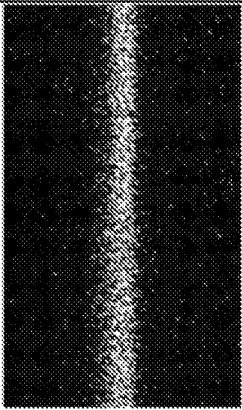
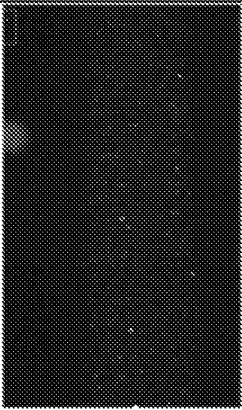
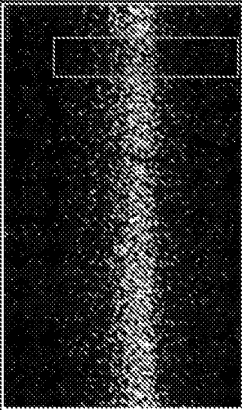


FIG. 21C

A

rinsate sample or media	BPW media	Carcass rinsate	Carcass rinsate
Cells added	<i>S. enterica</i>	none	<i>S. enterica</i>
PIPER counts	24,816	288	21,788
Lane images:			

B

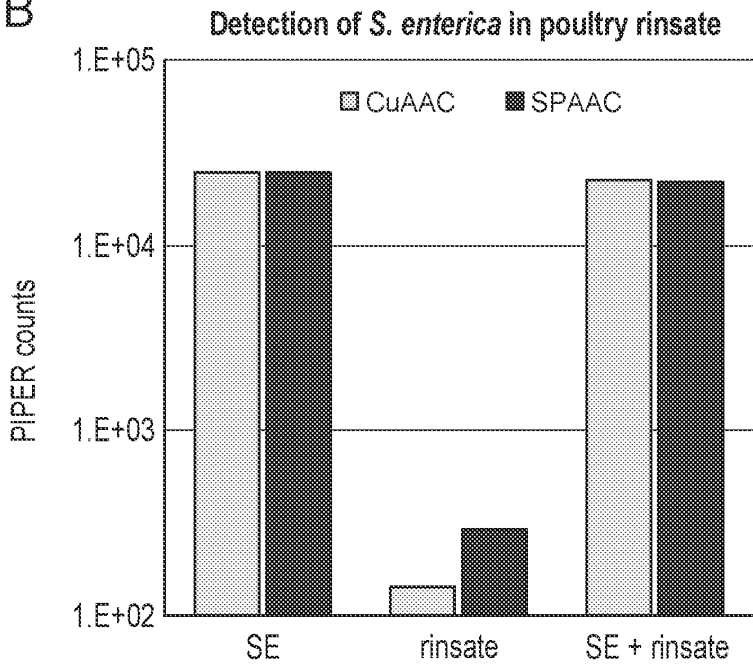


FIG. 22A-B

A

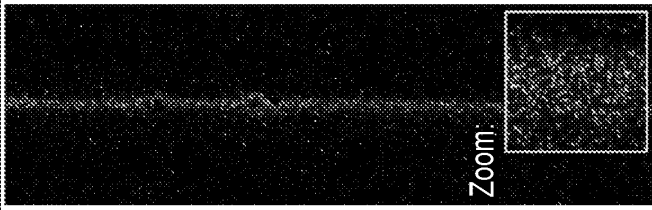
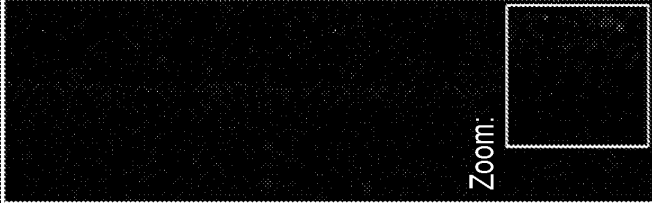
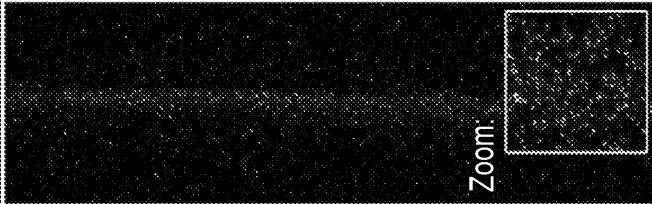
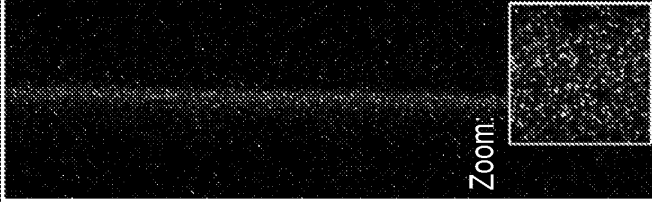
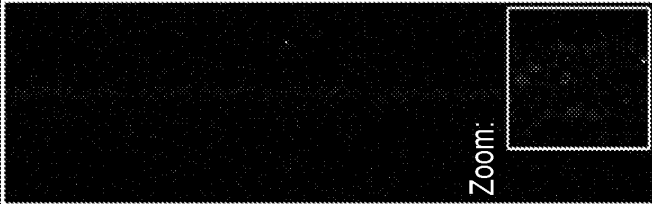
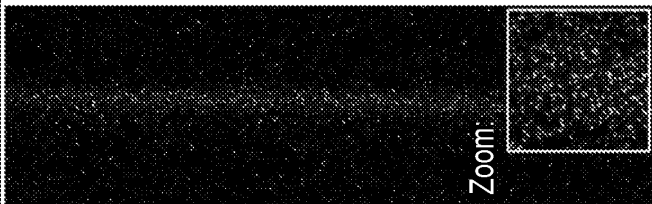
rinsate sample or media	BHI media	Carcass rinsate sample A	Carcass rinsate sample A	BHI media	Carcass rinsate sample B	Carcass rinsate sample B
Cells added	<i>K. pneumoniae</i>	none	<i>K. pneumoniae</i>	<i>K. pneumoniae</i>	none	<i>K. pneumoniae</i>
PIPER counts	48,683	261	39,082	55,246	346	55,613
Lane images:						

FIG. 23A

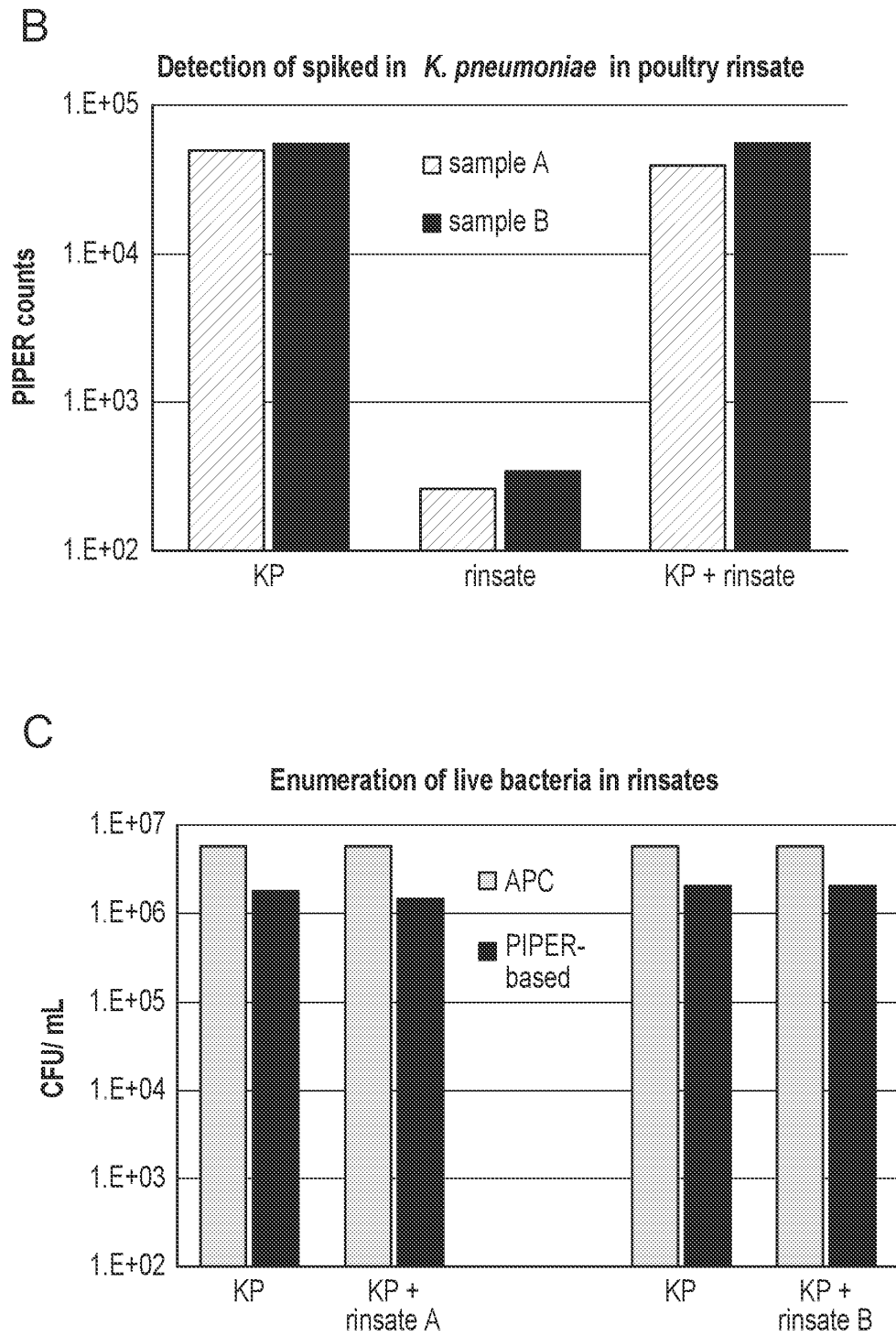


FIG. 23B-C

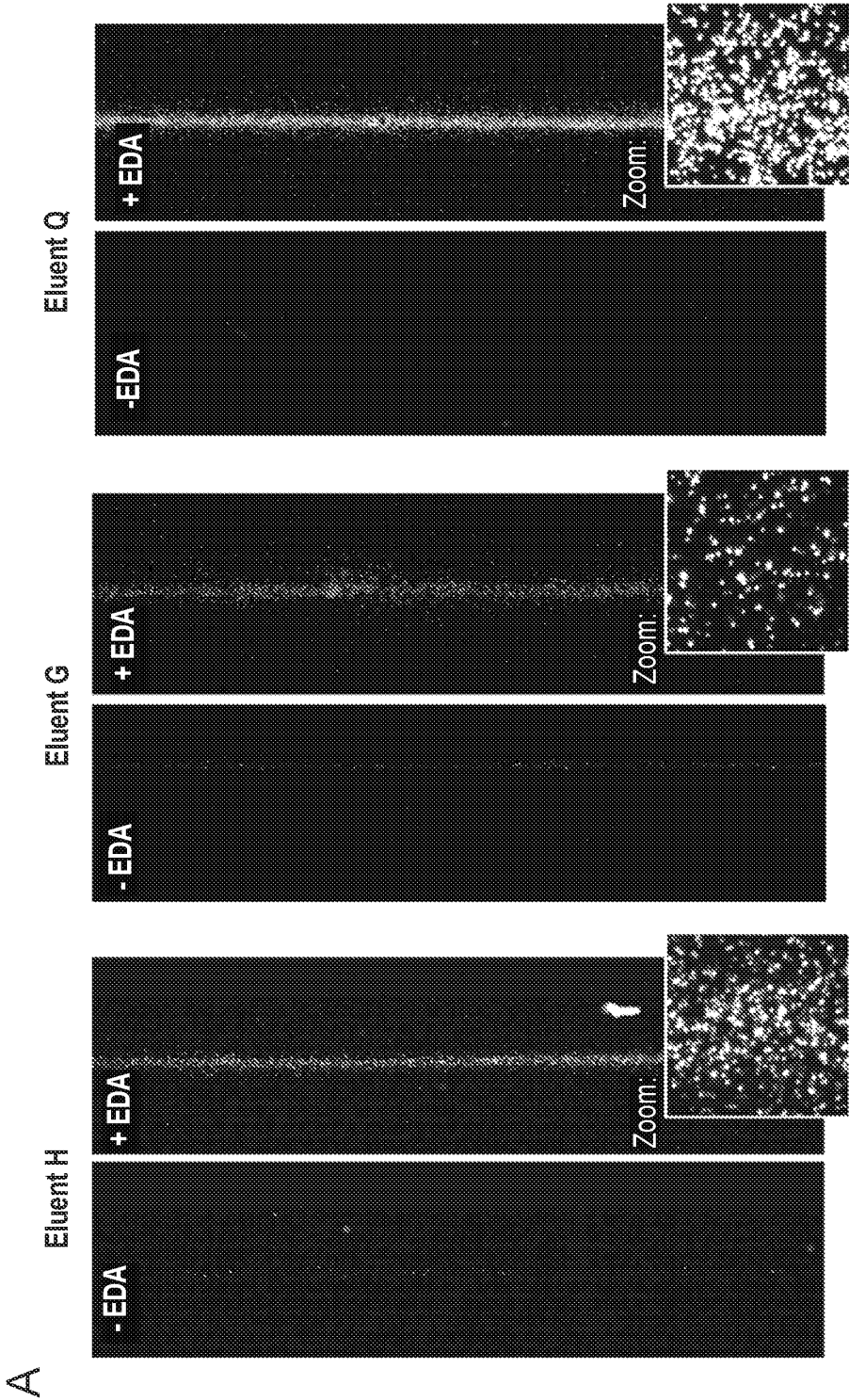


FIG. 24A

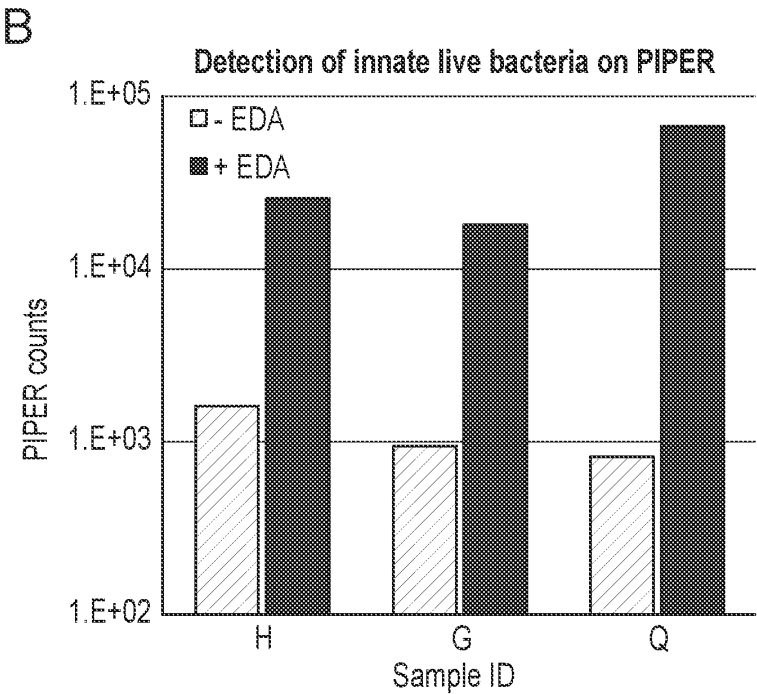


FIG. 24B

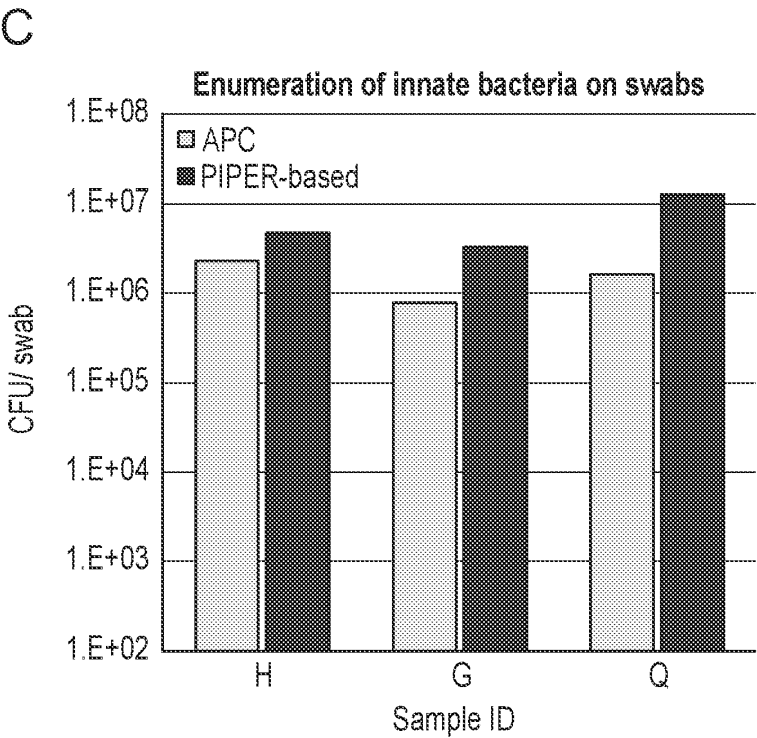


FIG. 24C

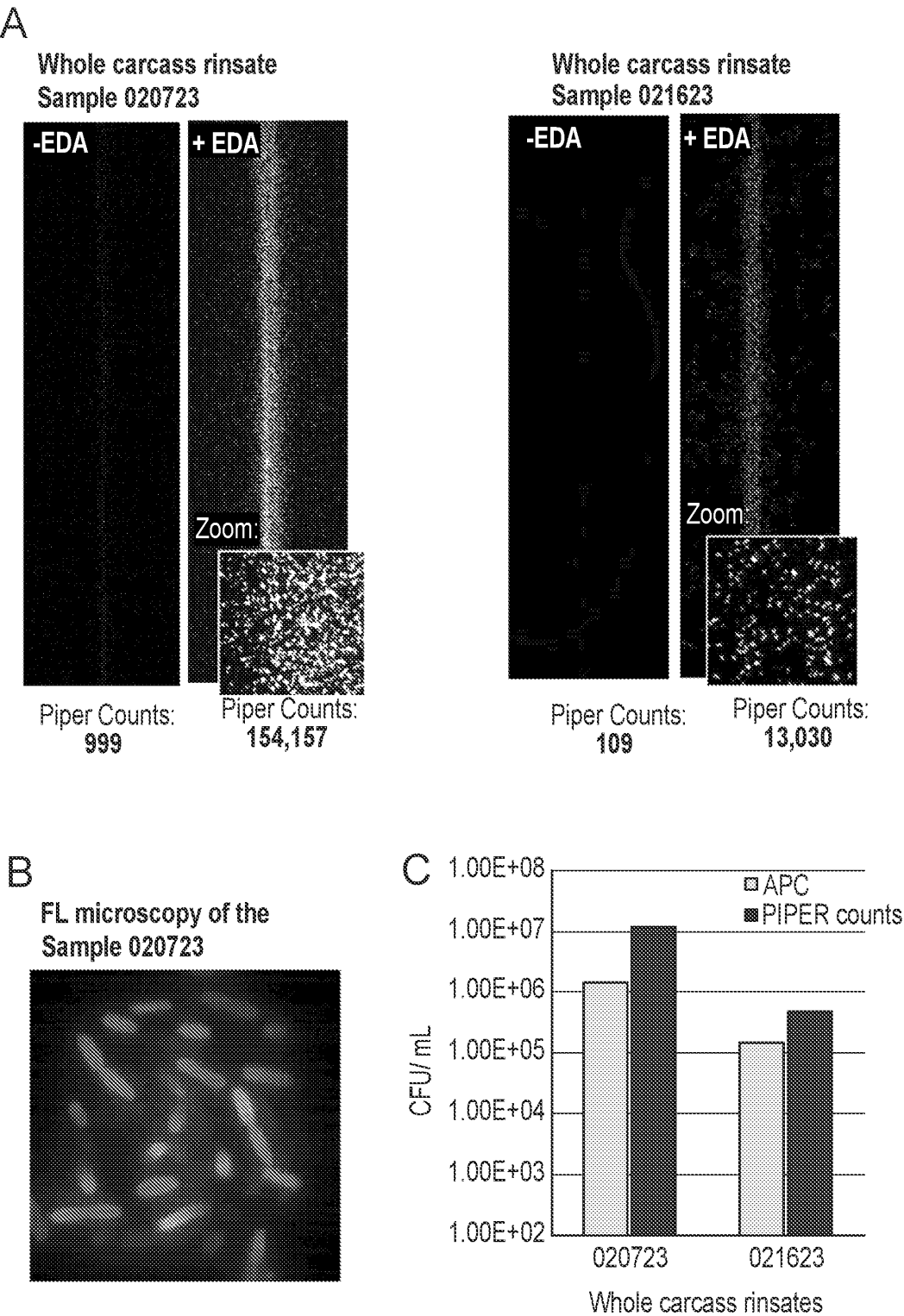
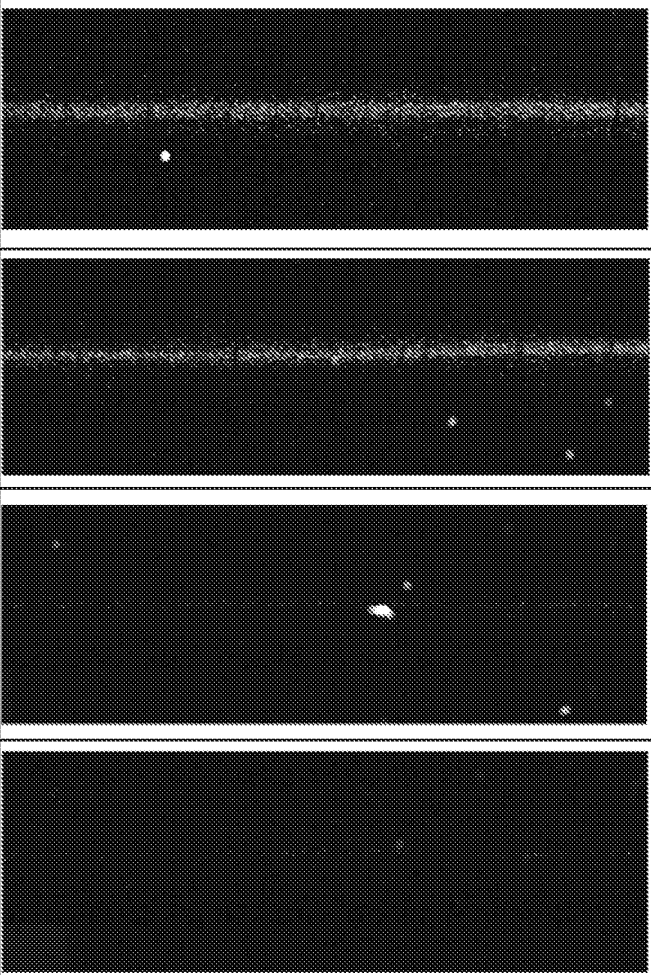


FIG. 25A-C

Eluent or media	eluent J	eluent J	eluent J	BHI media
EDA	no	1 mM	1 mM	1 mM
Cells added	none	none	<i>L. garviea</i> & <i>E. faisenii</i>	<i>L. garviea</i> & <i>E. faisenii</i>
PIPER counts	1,478	2,197	33,101	35,511
				

A

FIG. 26A

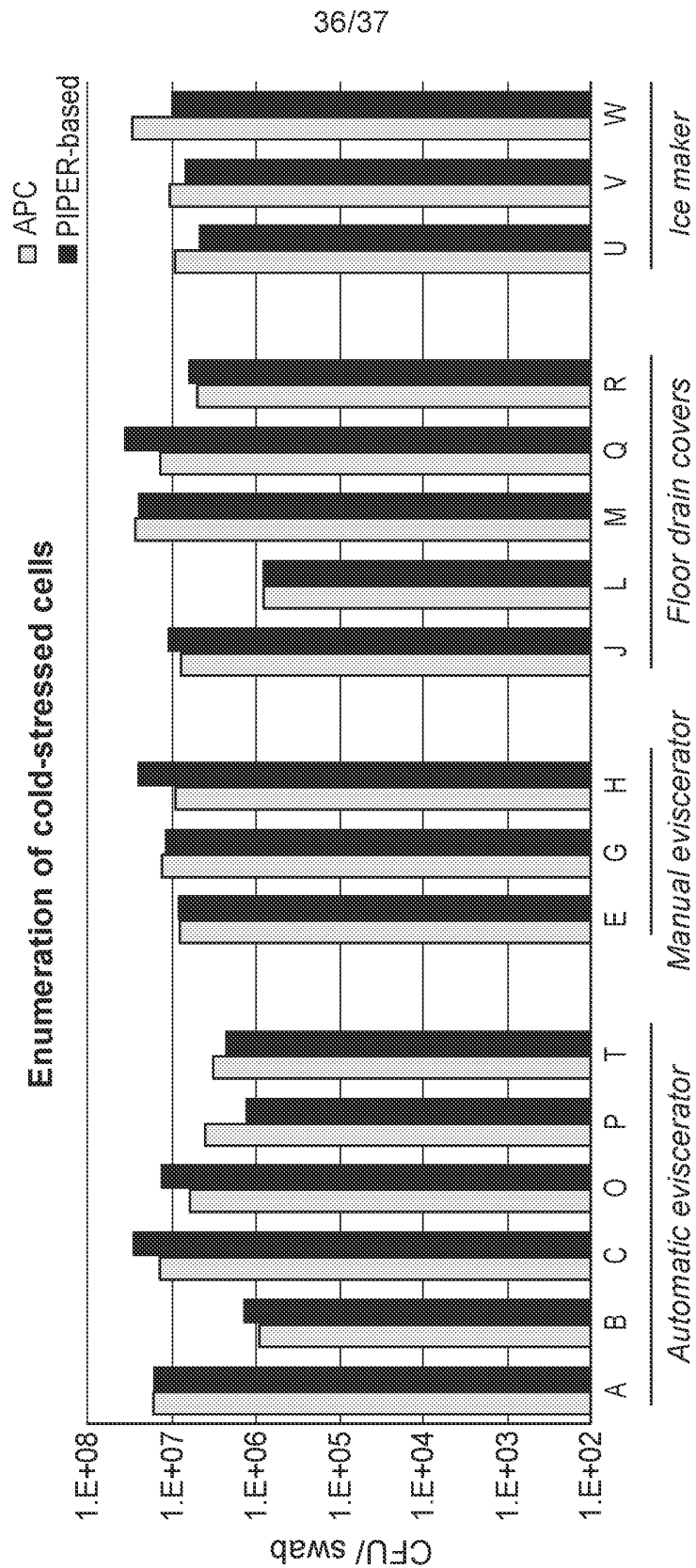


FIG. 26B

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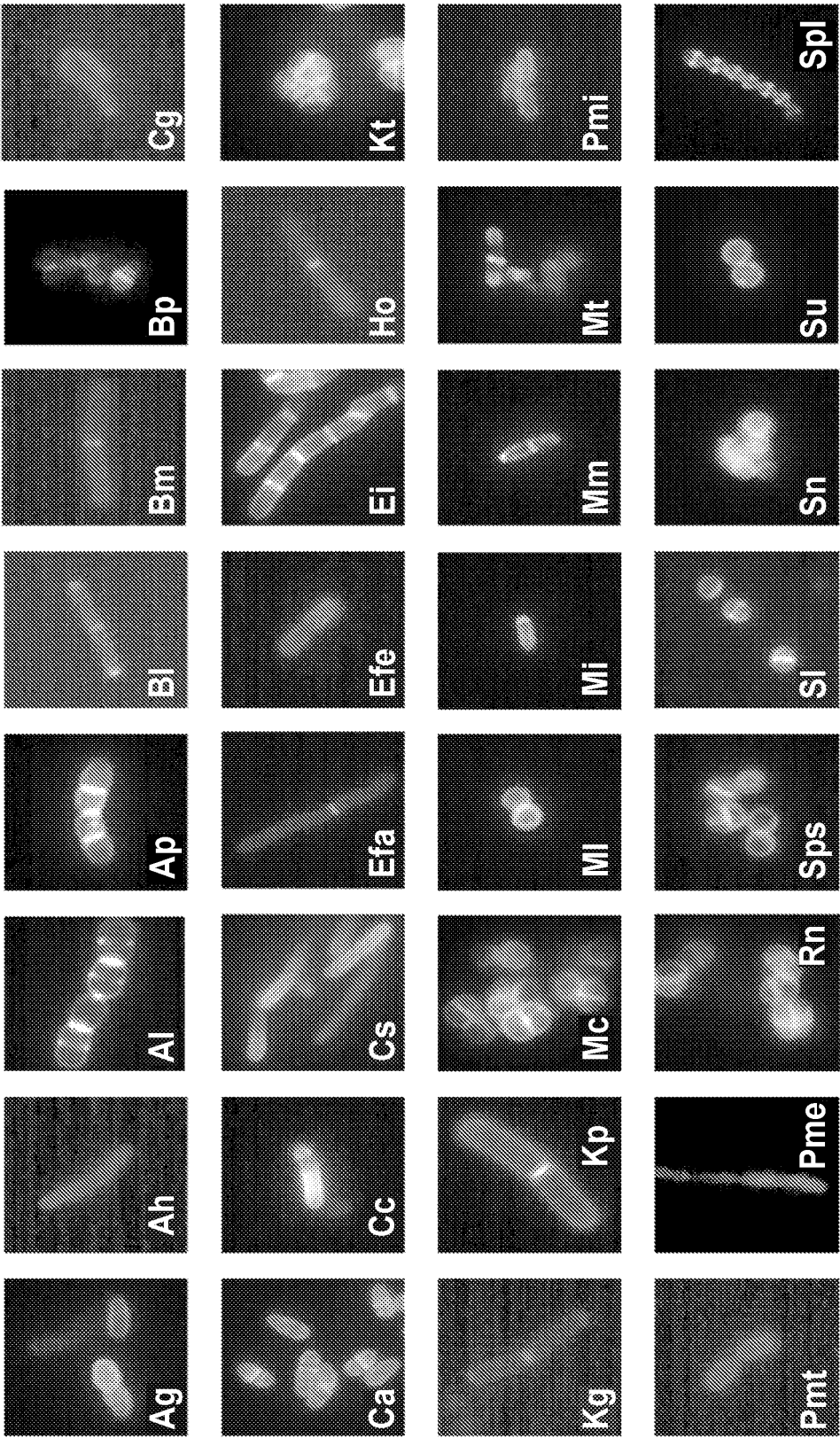


FIG. 27