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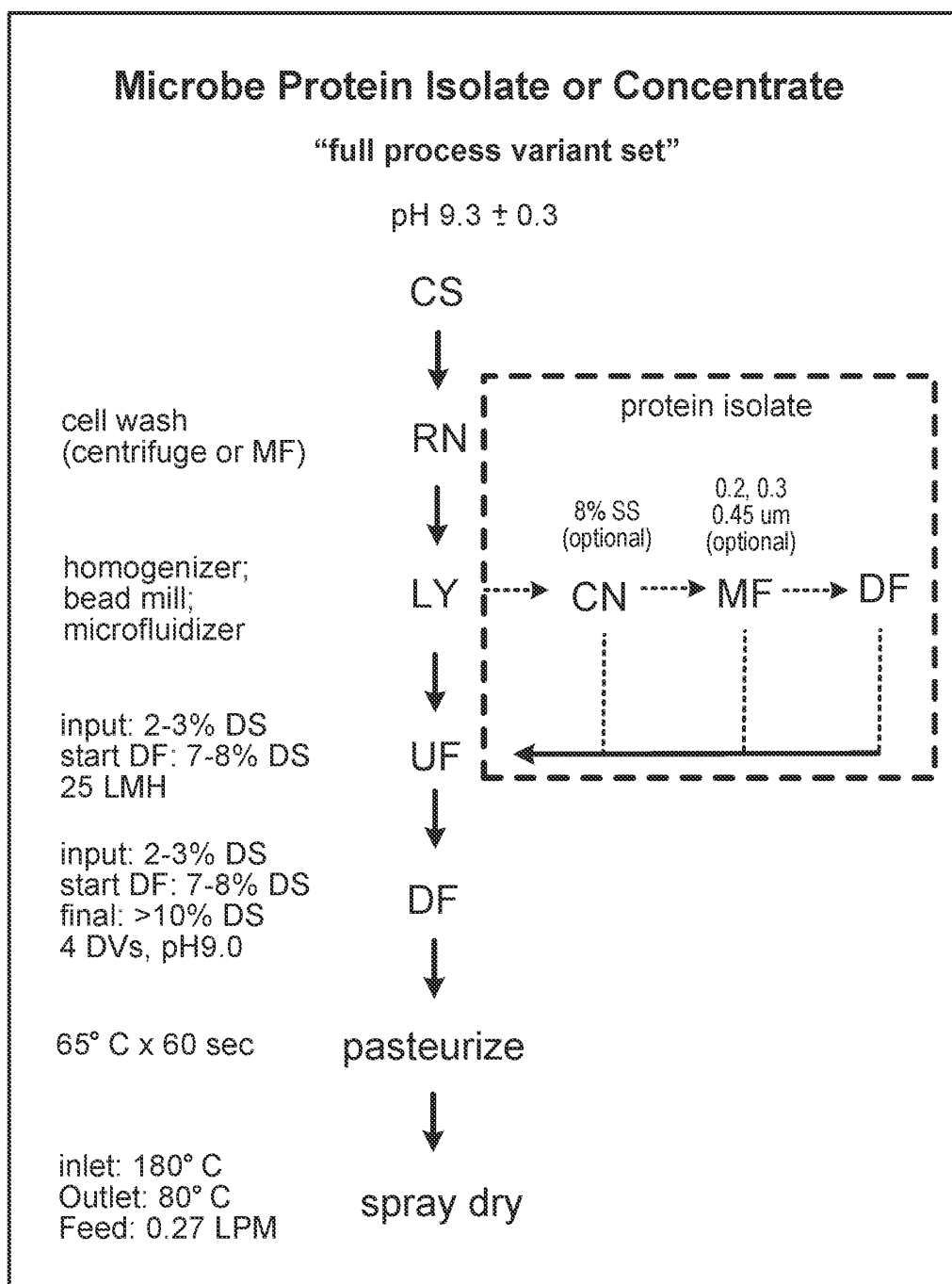


Figure 1

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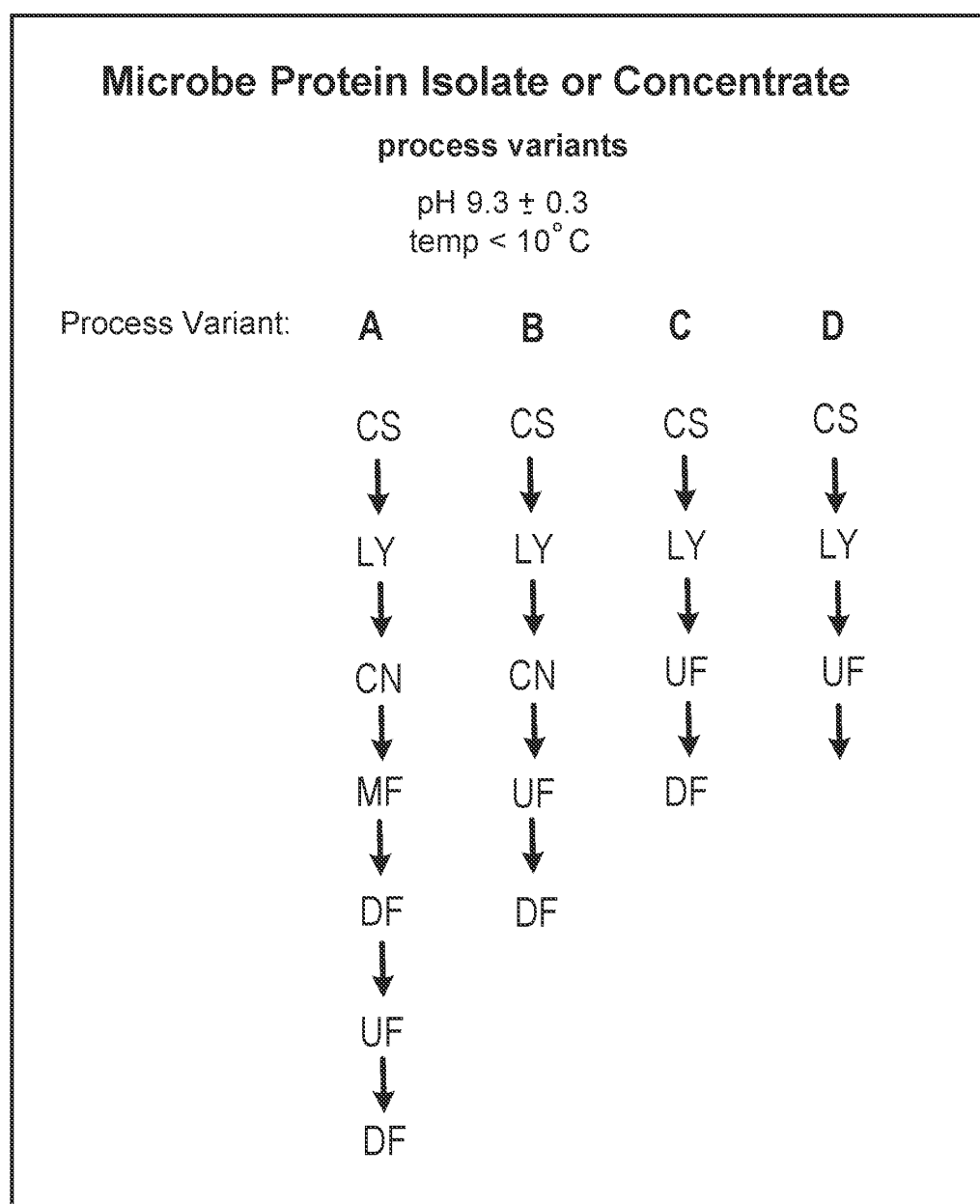


Figure 2

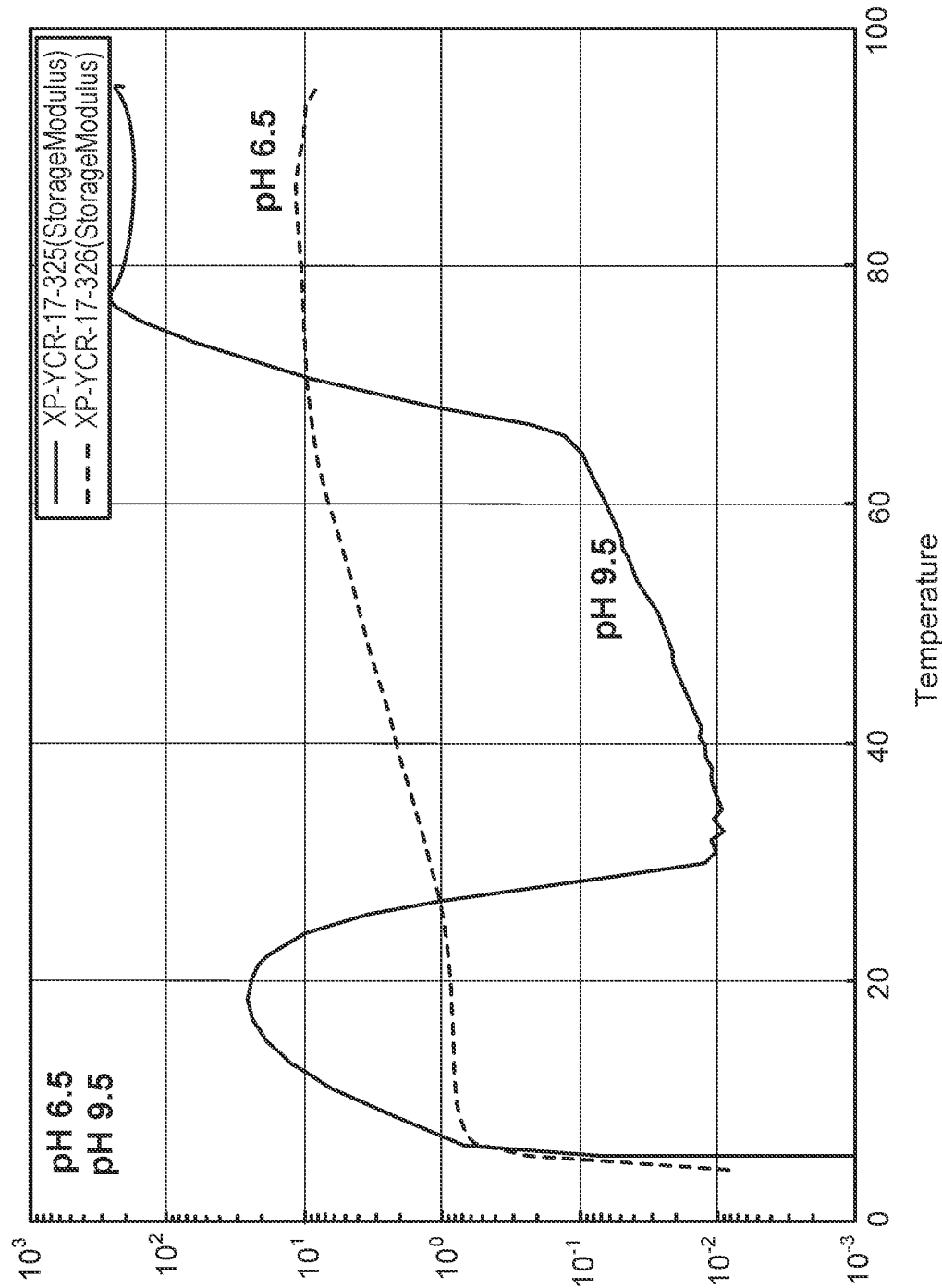
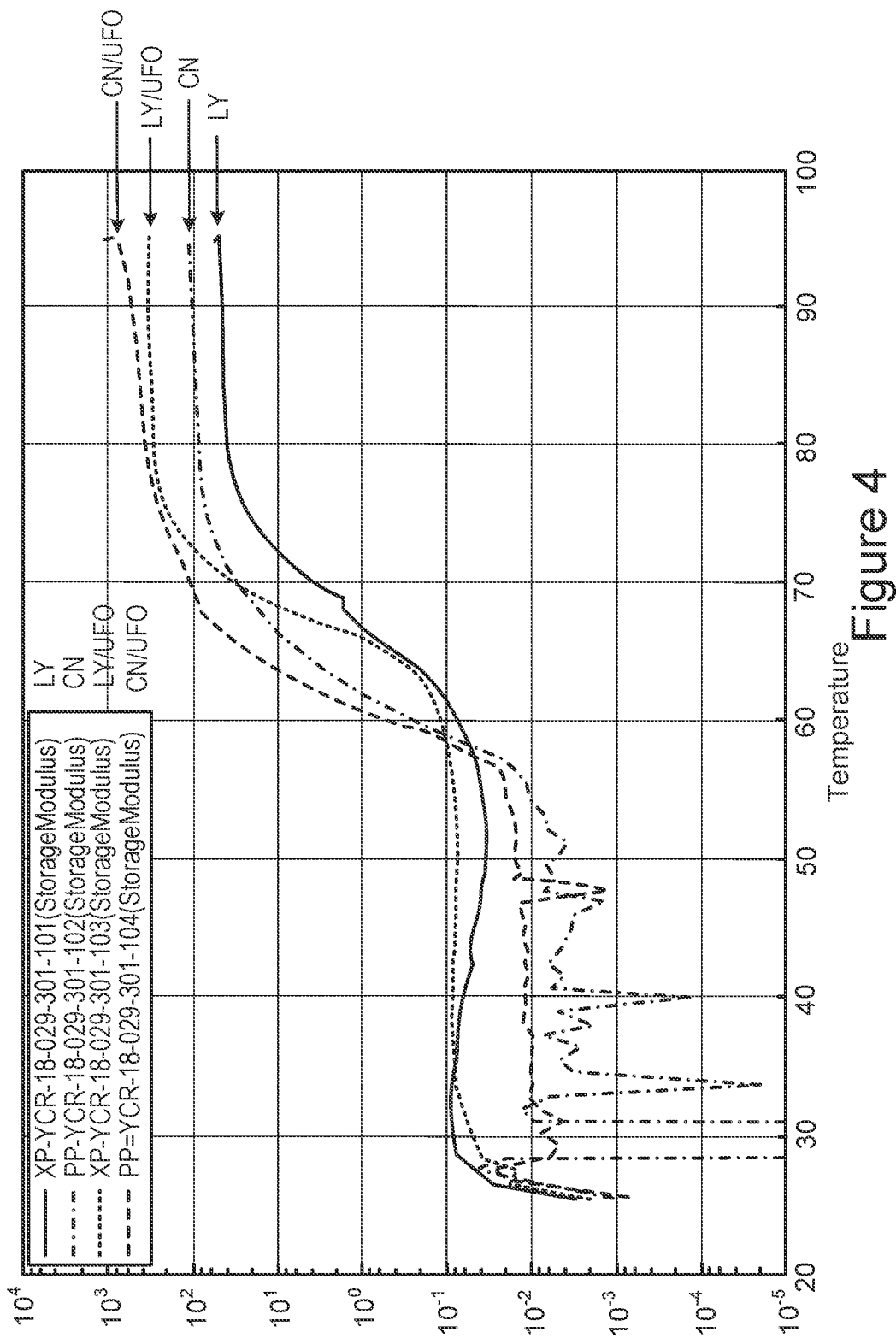
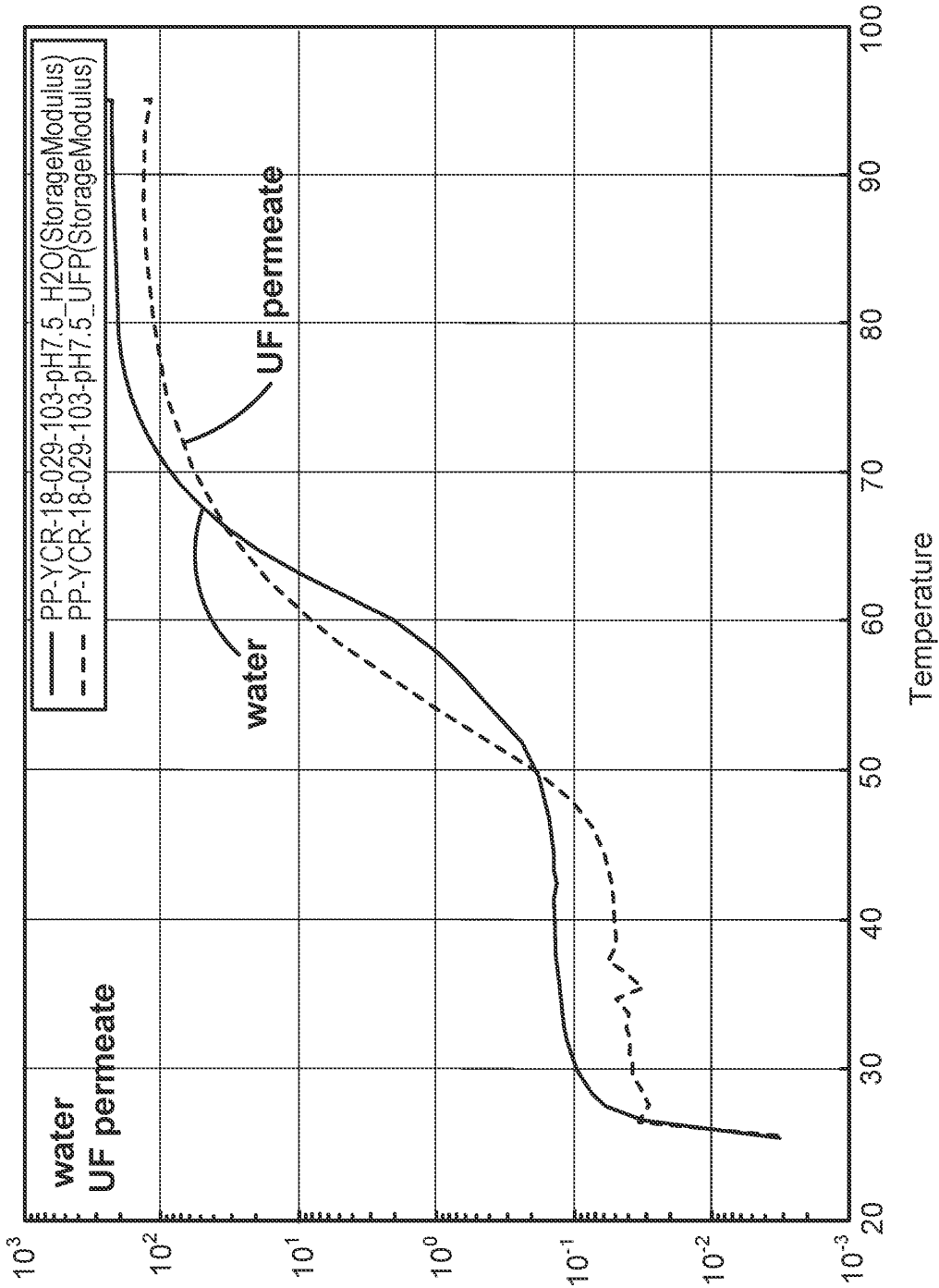


Figure 3

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Temperature
Figure 5

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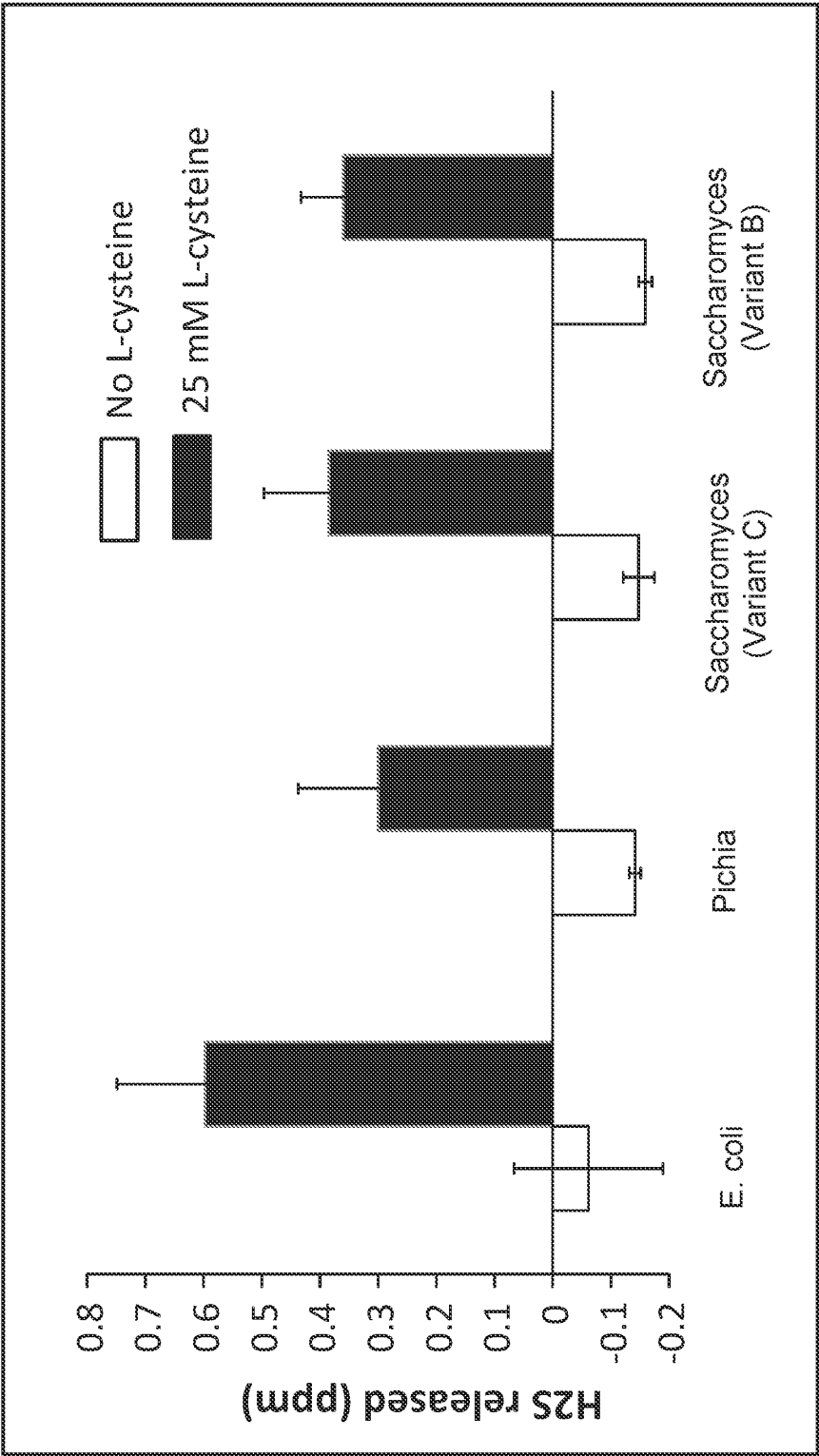


Figure 6

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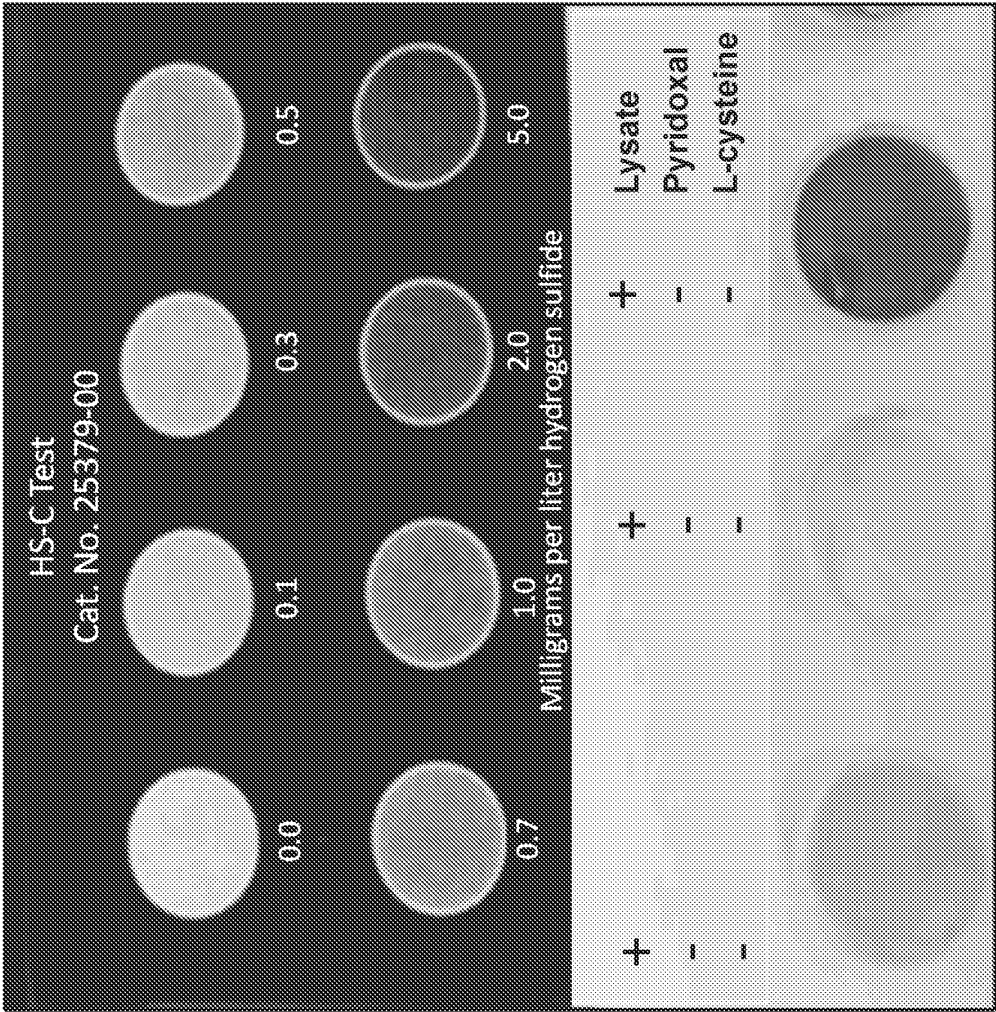


Figure 7

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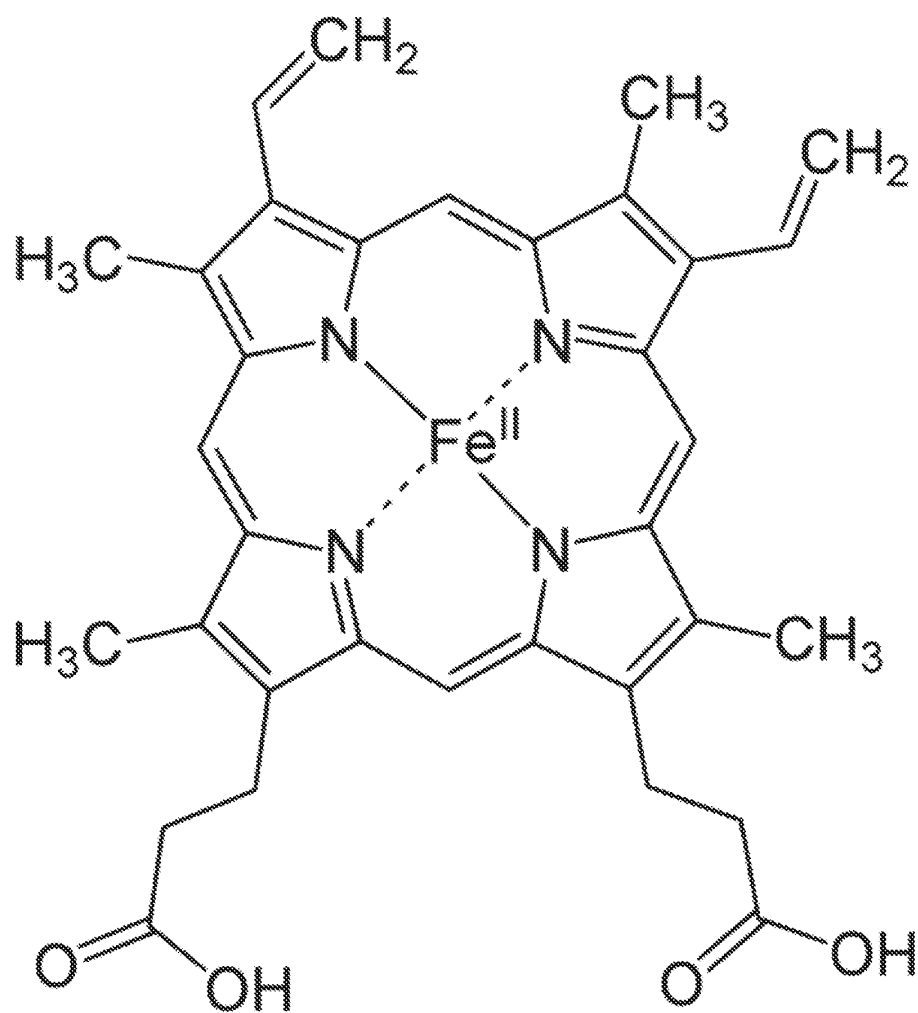


Figure 8

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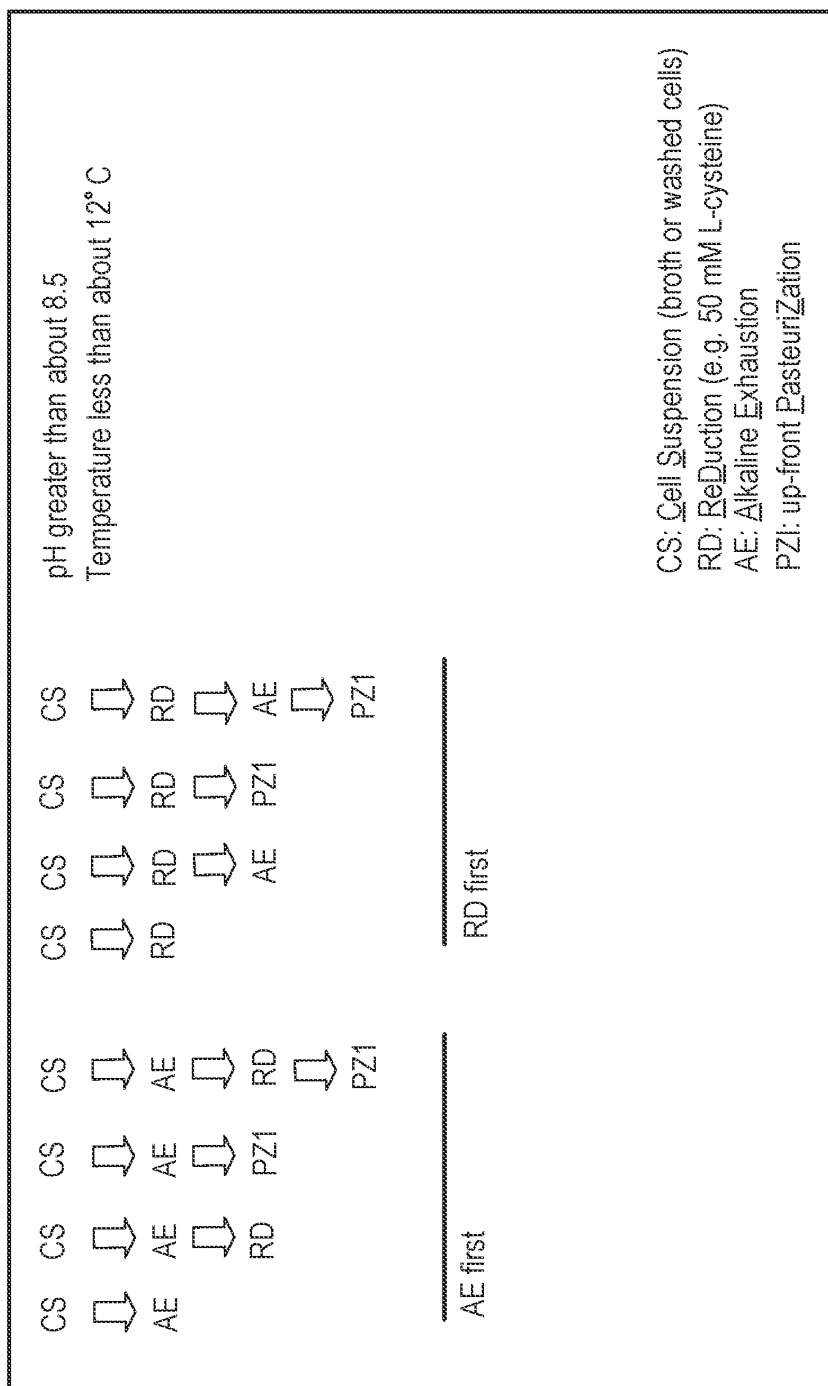


Figure A6

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1	2	3	4	5	6
Feed	Feed	Feed	Feed	Feed	Feed
↓	↓	↓	↓	↓	↓
LY	LY	LY	CN	CN	UF/DF
↓	↓	↓	↓	↓	↓
CN	CN	UF/DF	MF/DF	UF/DF	PZ2
↓	↓	↓	↓	↓	↓
MF/DF	UF/DF	PZ2	UF/DF	PZ2	SD
↓	↓	↓	↓	↓	
UF/DF	PZ2	SD	PZ2	SD	
↓	↓	↓	↓		
PZ2	SD		SD		
↓					
SD					
Mechanical disruption			Cell perforation		

Feed: input cells (broth, washed, treated or untreated)
 LY: mechanical/Lysis (eg, homogenization)
 CN: Centrifugation or Clarification
 MF: MicroFiltration
 DF: DiaFiltration
 UF: UltraFiltration
 PZ2: end-of-process Pasteurization
 SD: Spray Dry

Figure B6

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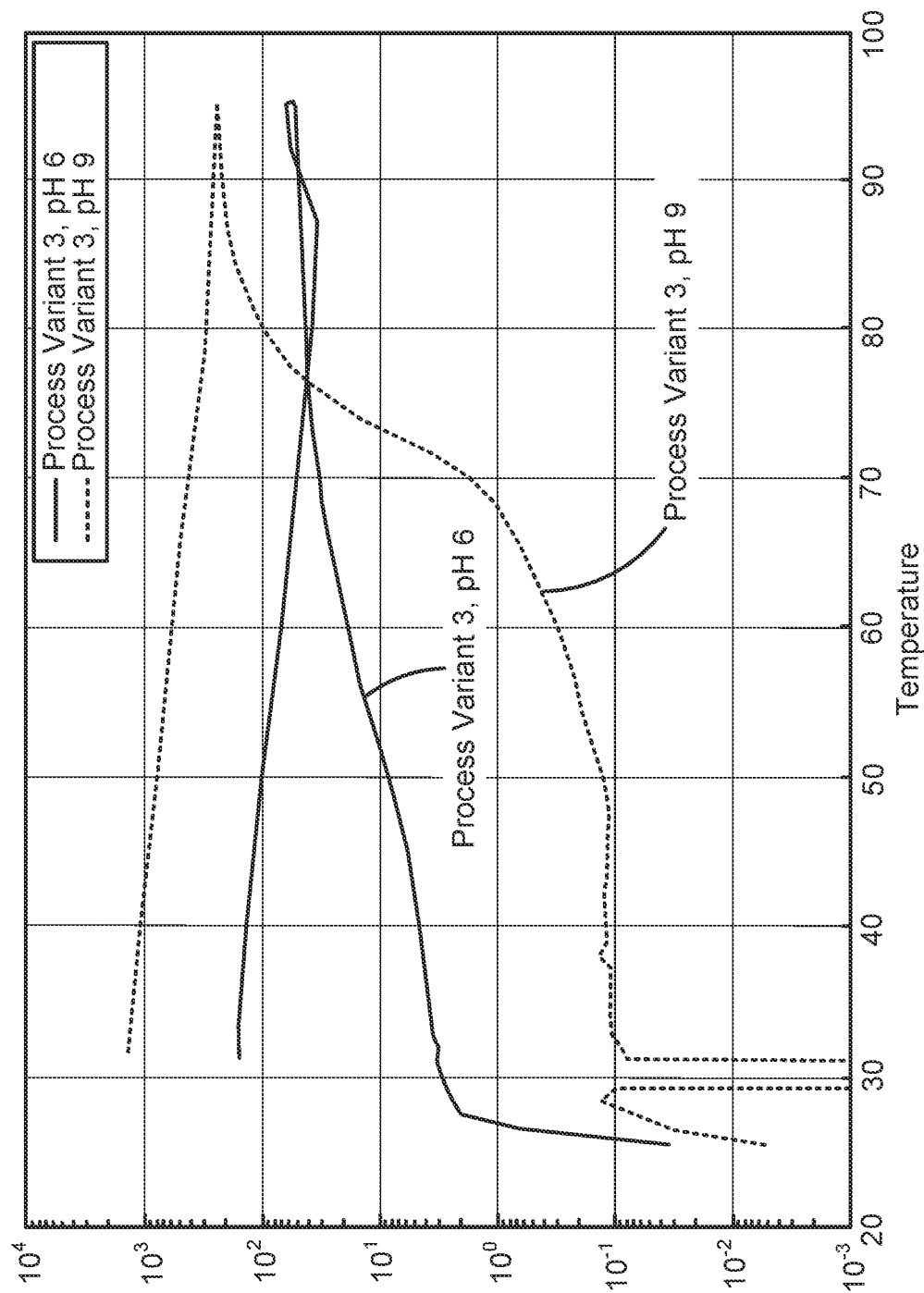


Figure 10

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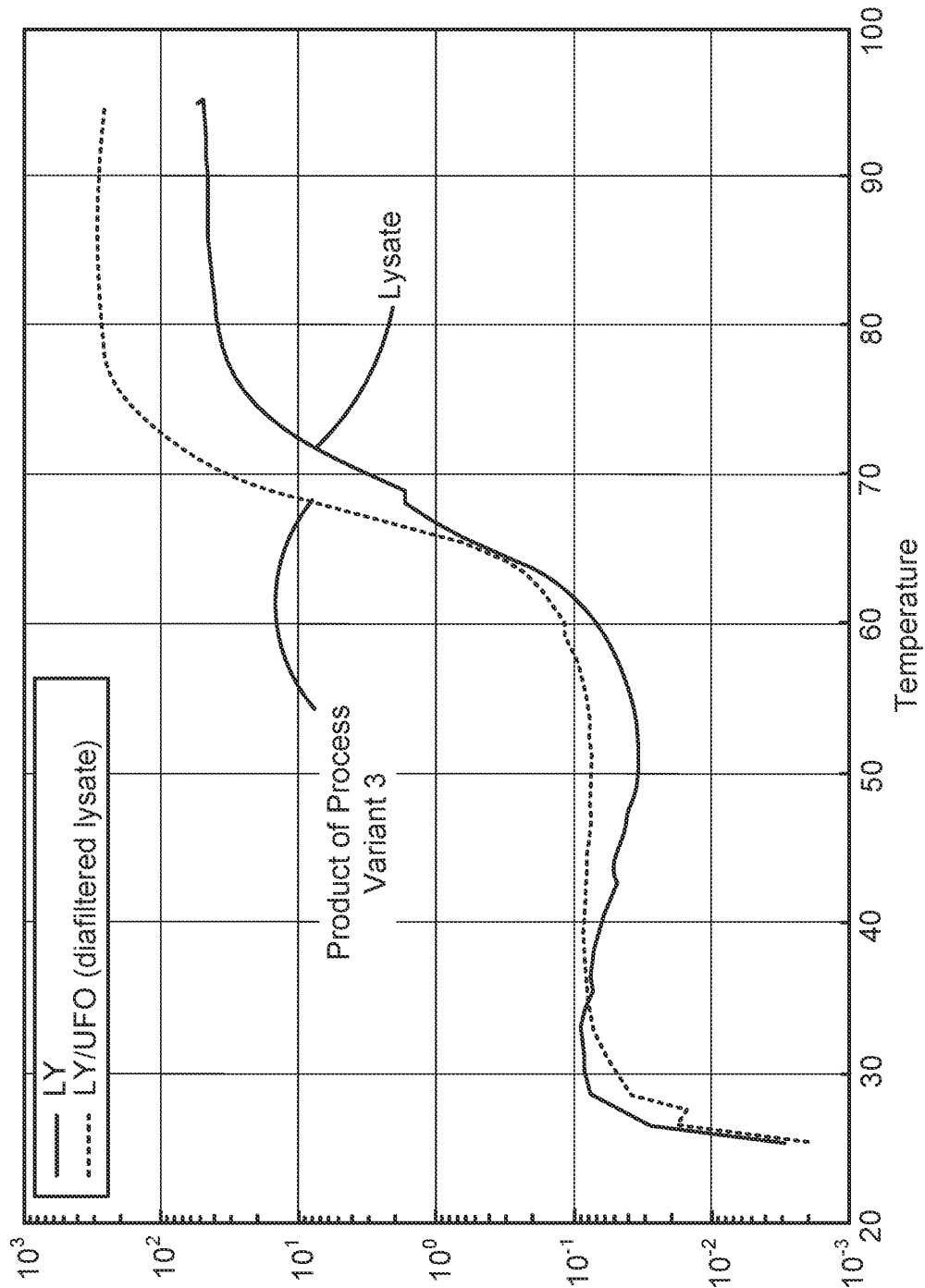


Figure 11A

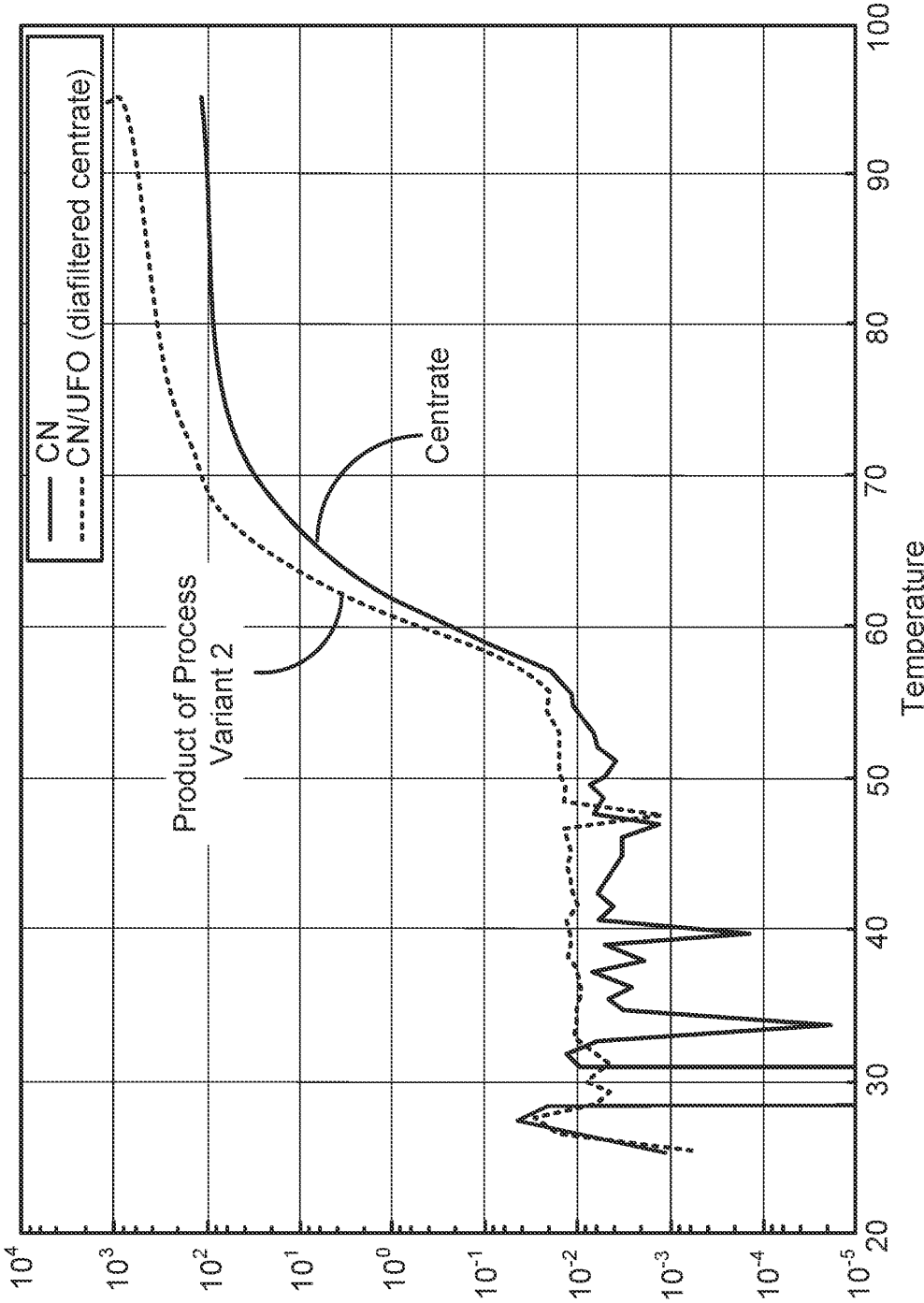


Figure 11B

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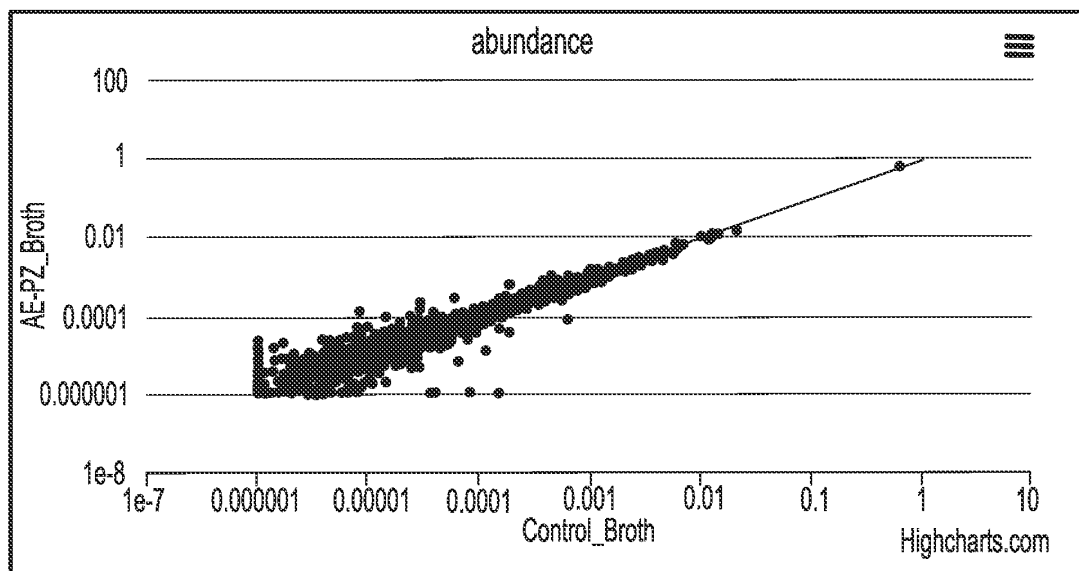


Figure 12A

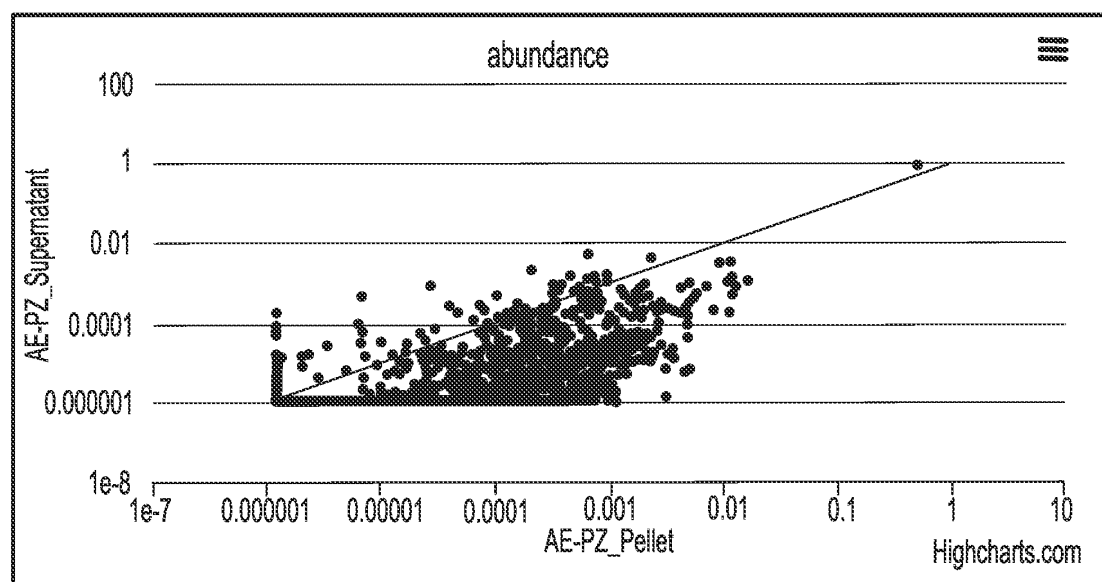


Figure 12B

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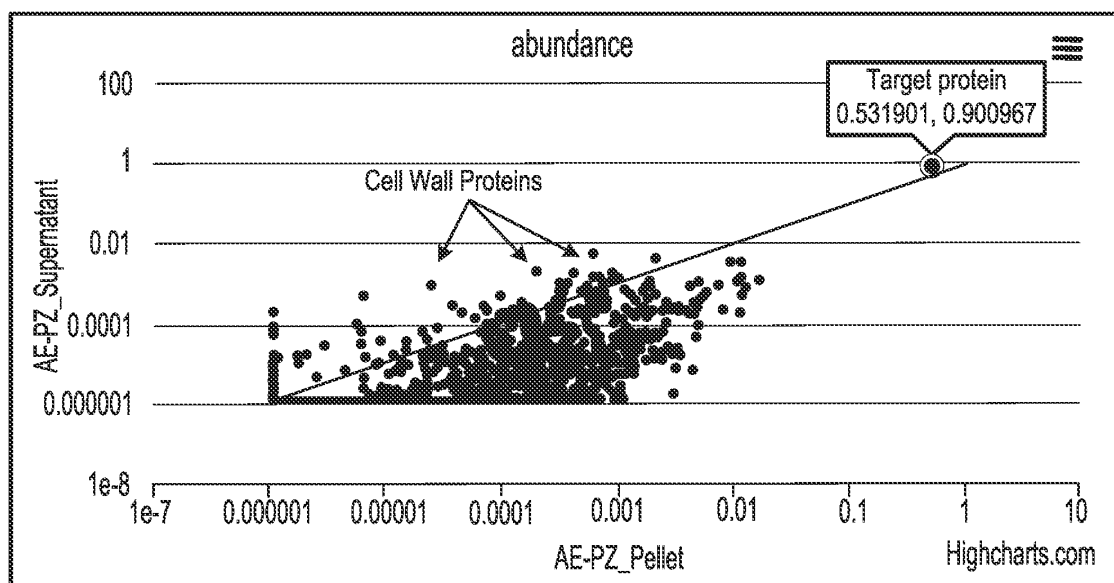


Figure 12C

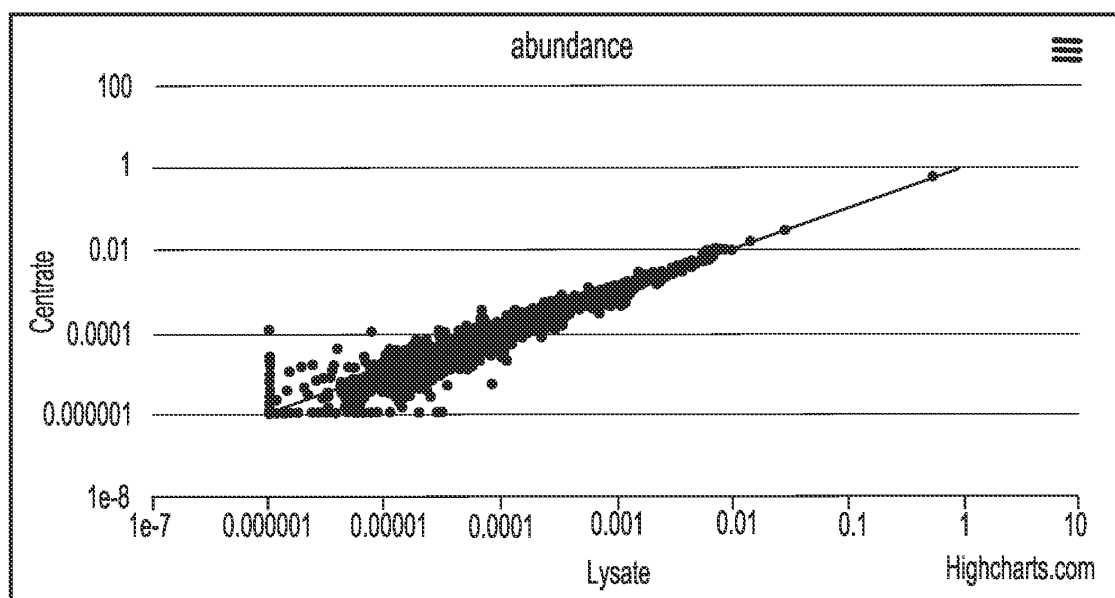


Figure 12D

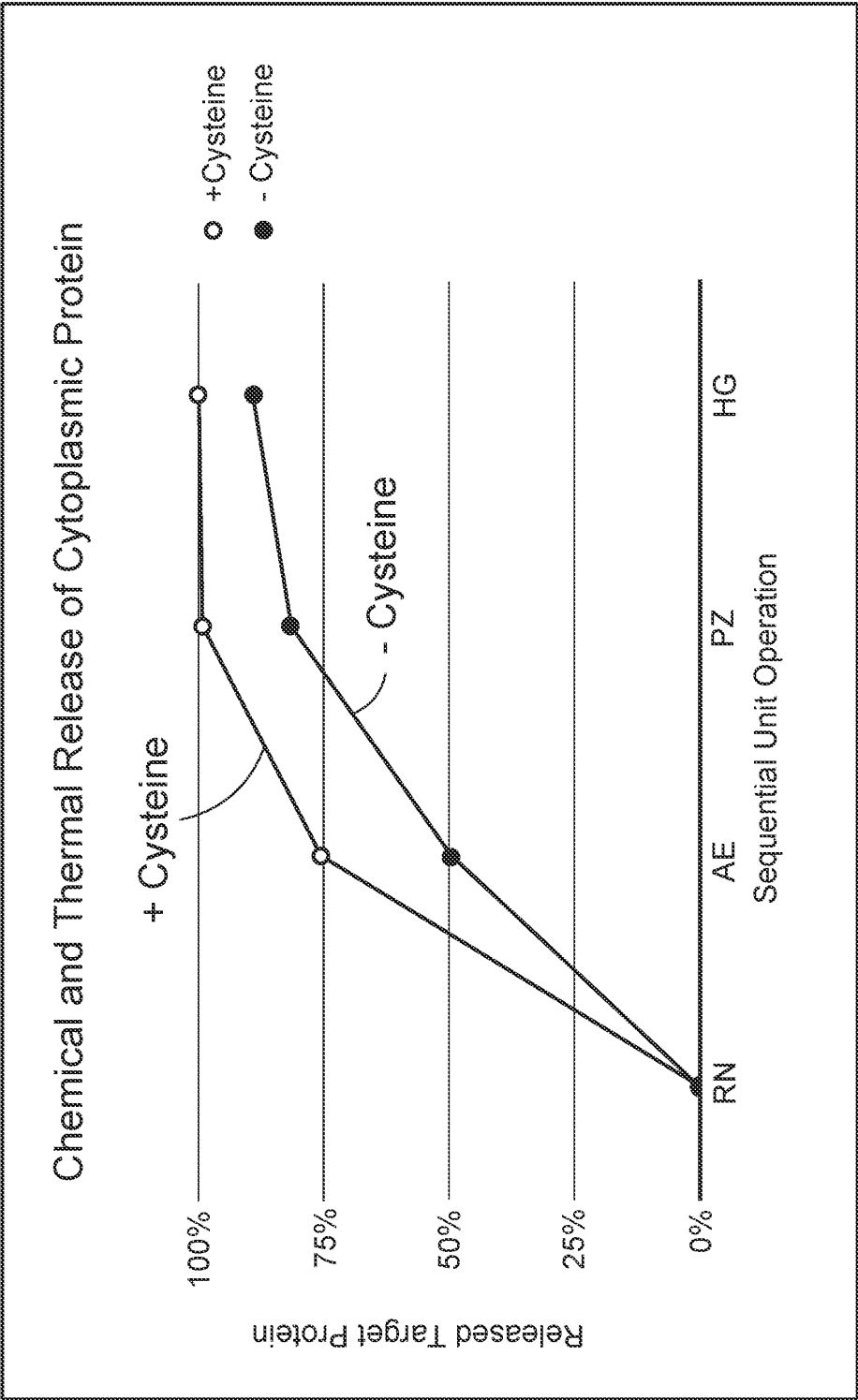


Figure 13

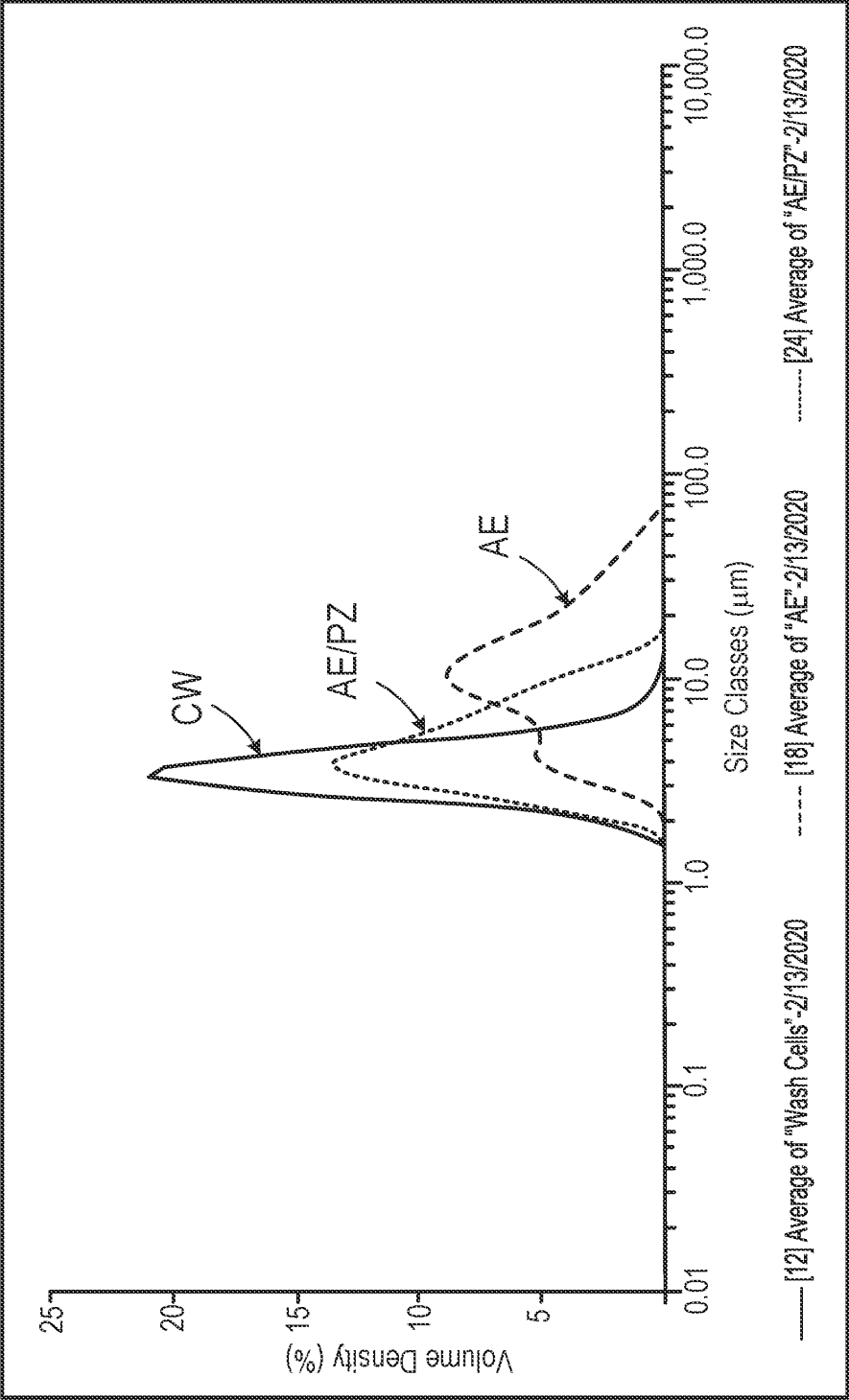


Figure 14A

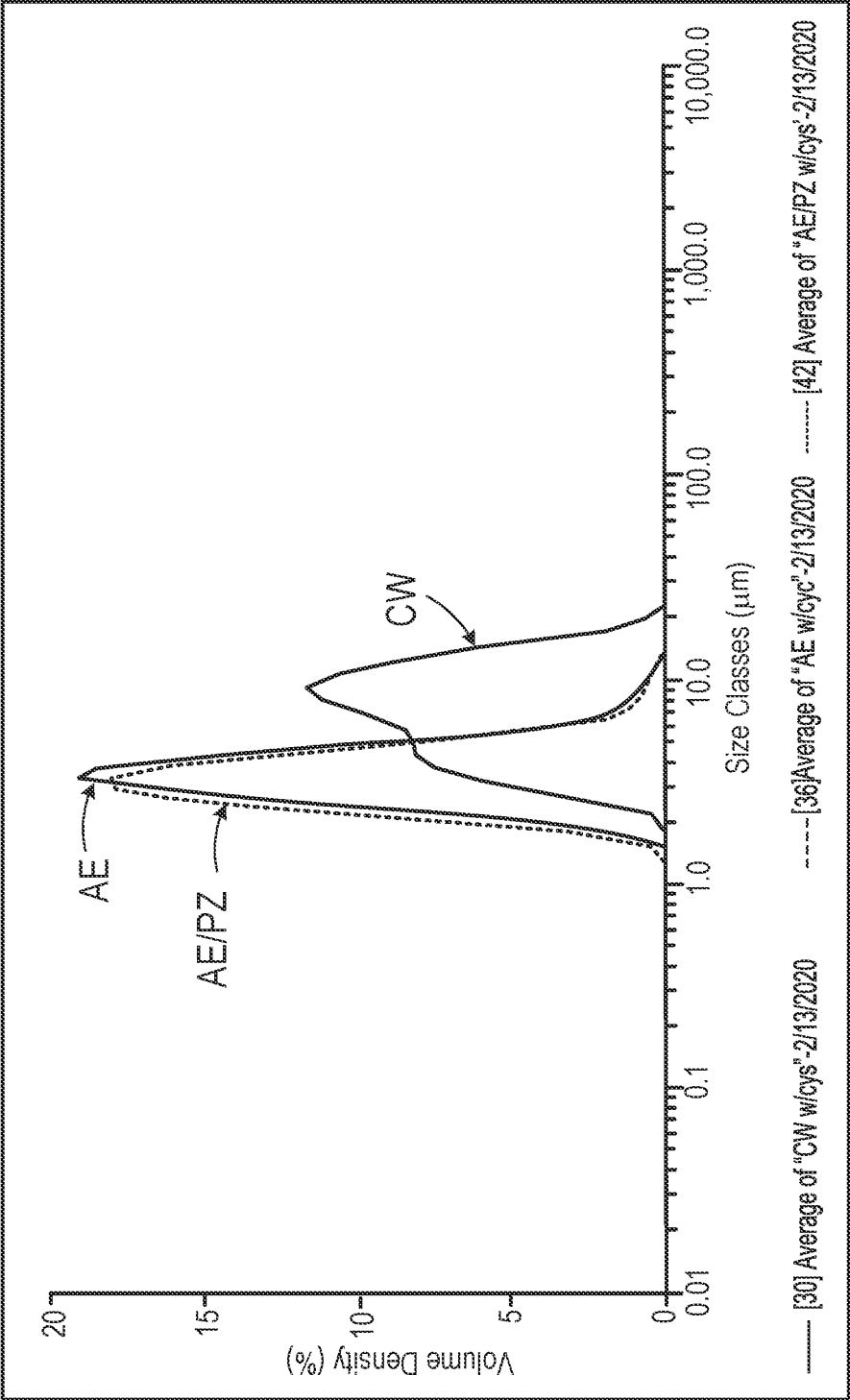


Figure 14B

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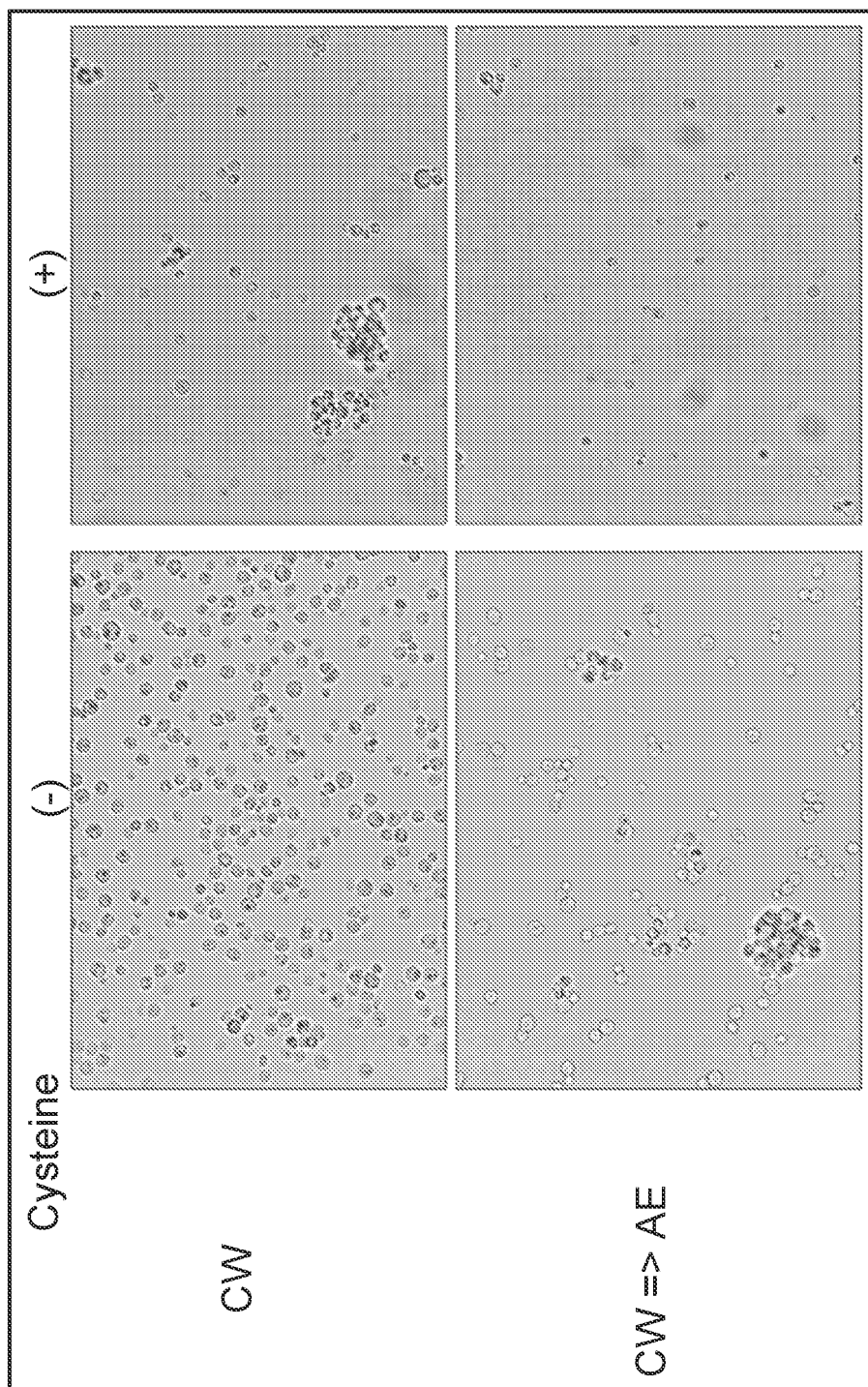


Figure 14C

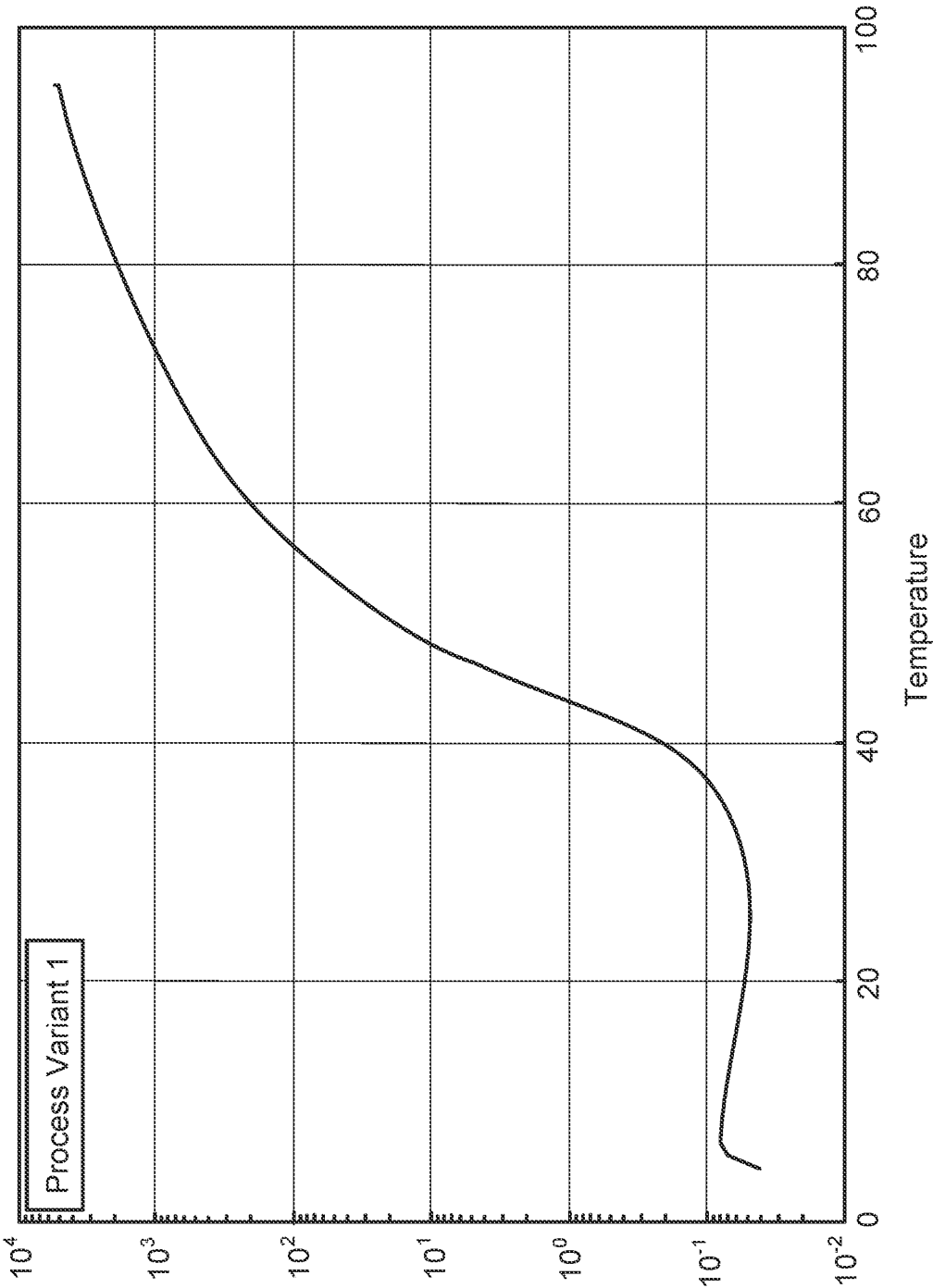


Figure 15

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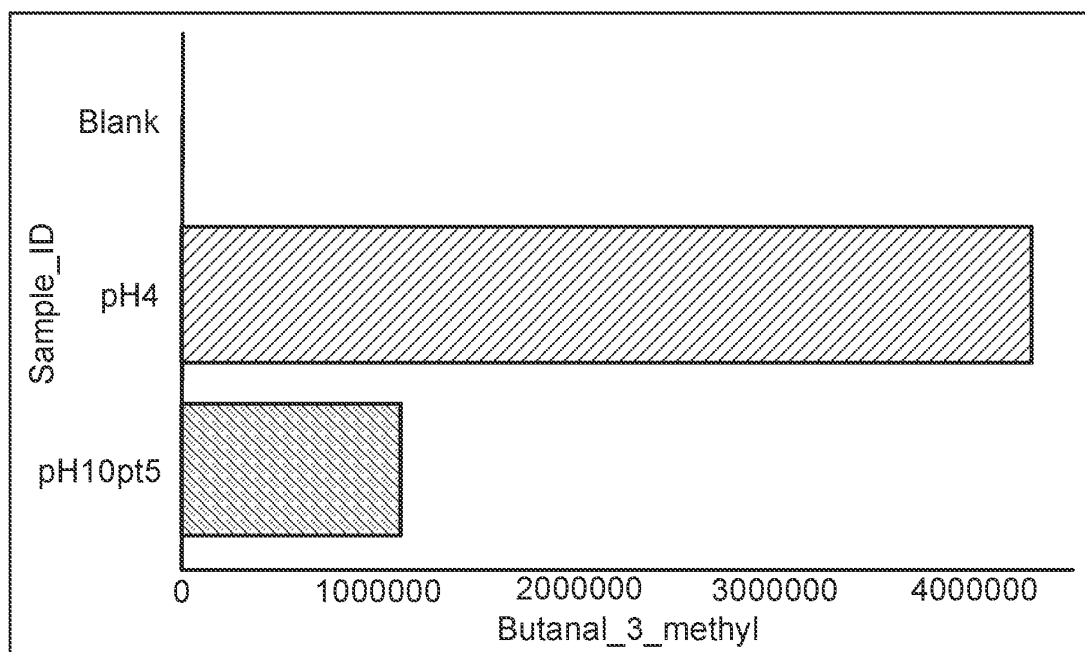


Figure 16A

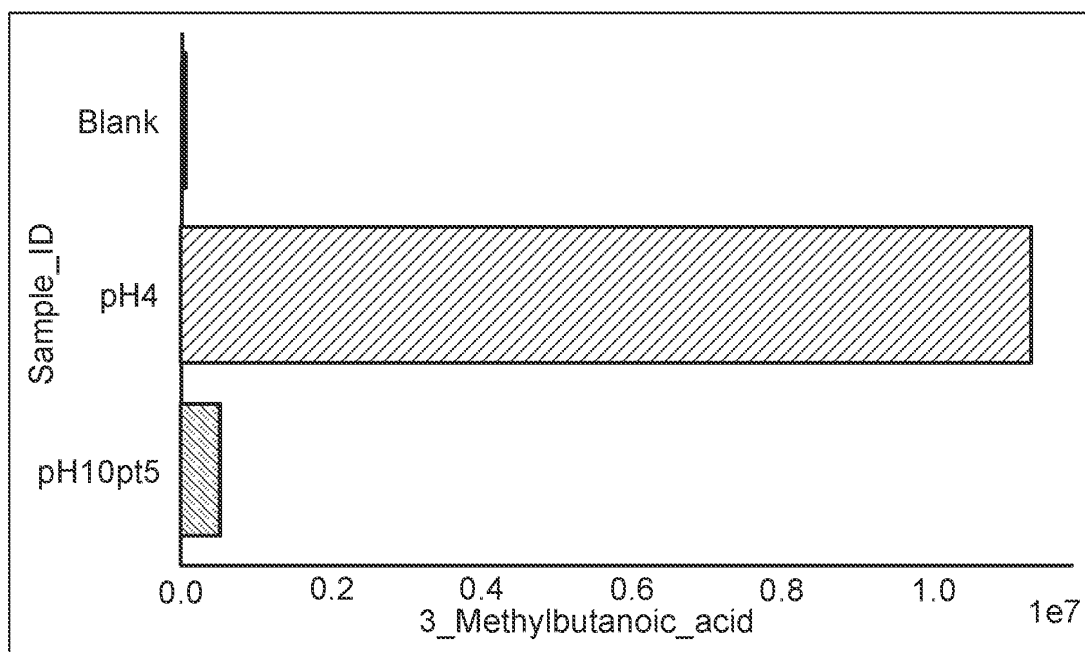


Figure 16B