

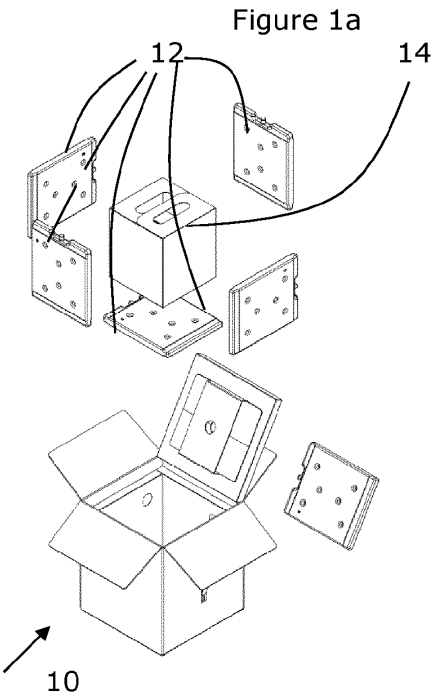


Figure 1b

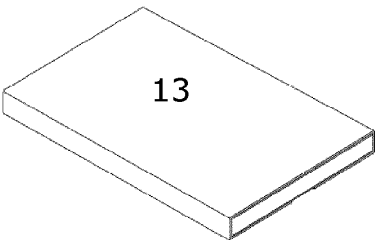
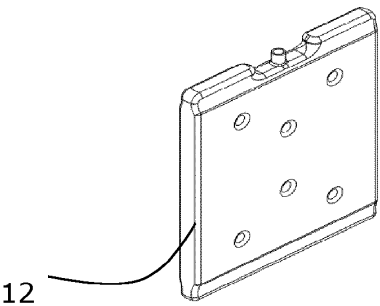


Figure 1c

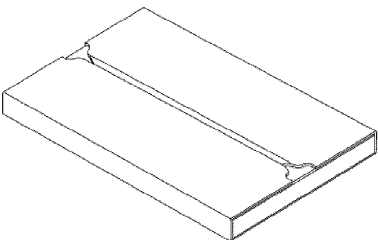


Figure 1d

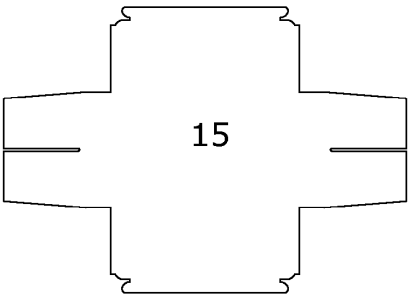


Figure 1e

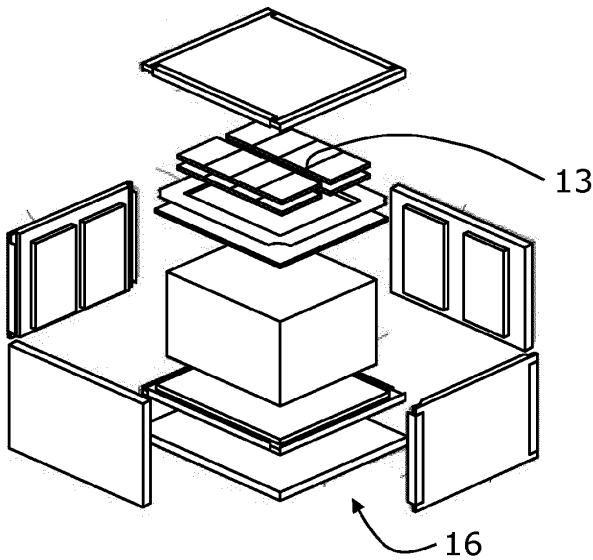


Figure 1f

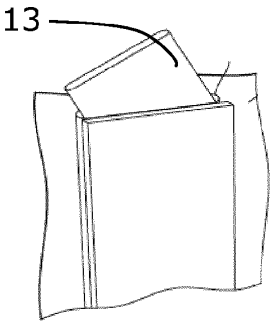


Figure 1g

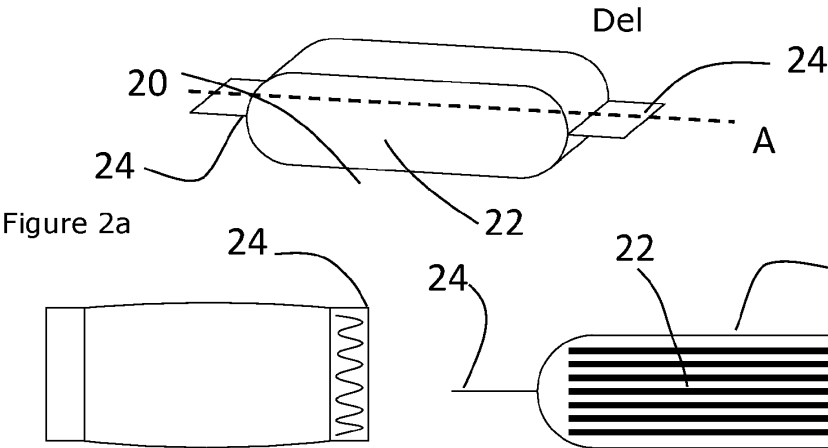


Figure 2a

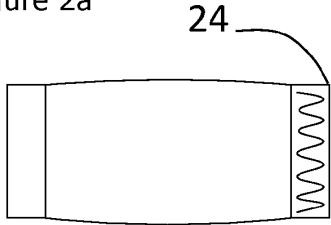


Figure 2b

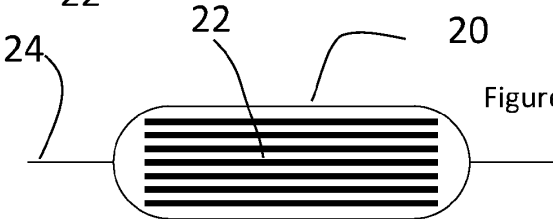


Figure 2c

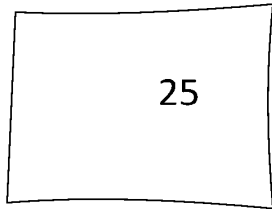


Figure 2d

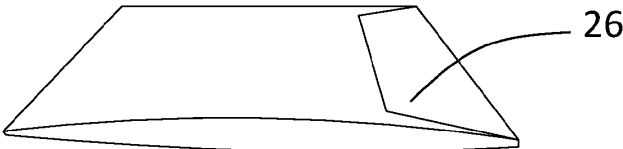


Figure 2e

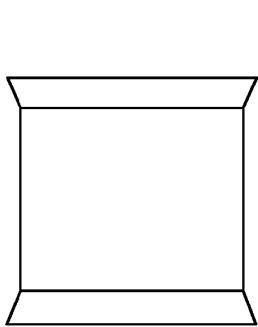


Figure 2f

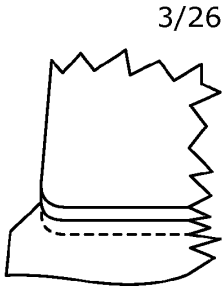


Figure 2g

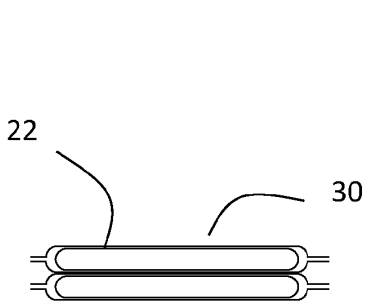


Figure 3a

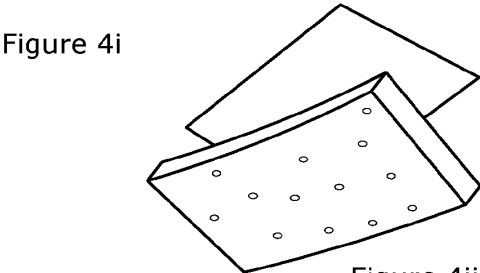


Figure 4i

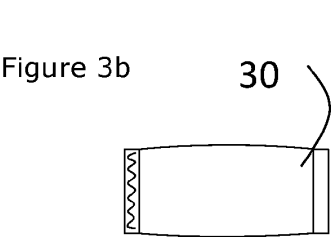


Figure 3b

Figure 4ii

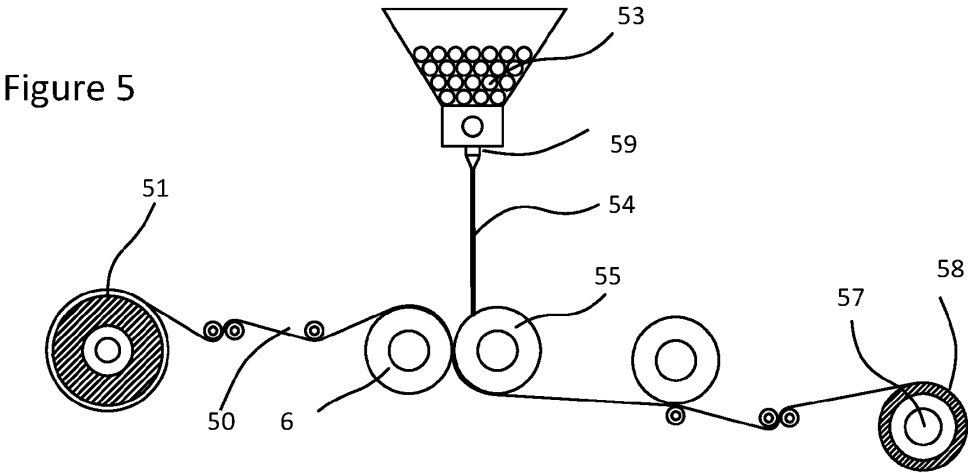


Figure 5

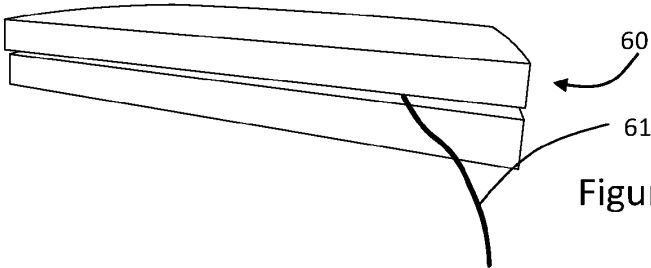


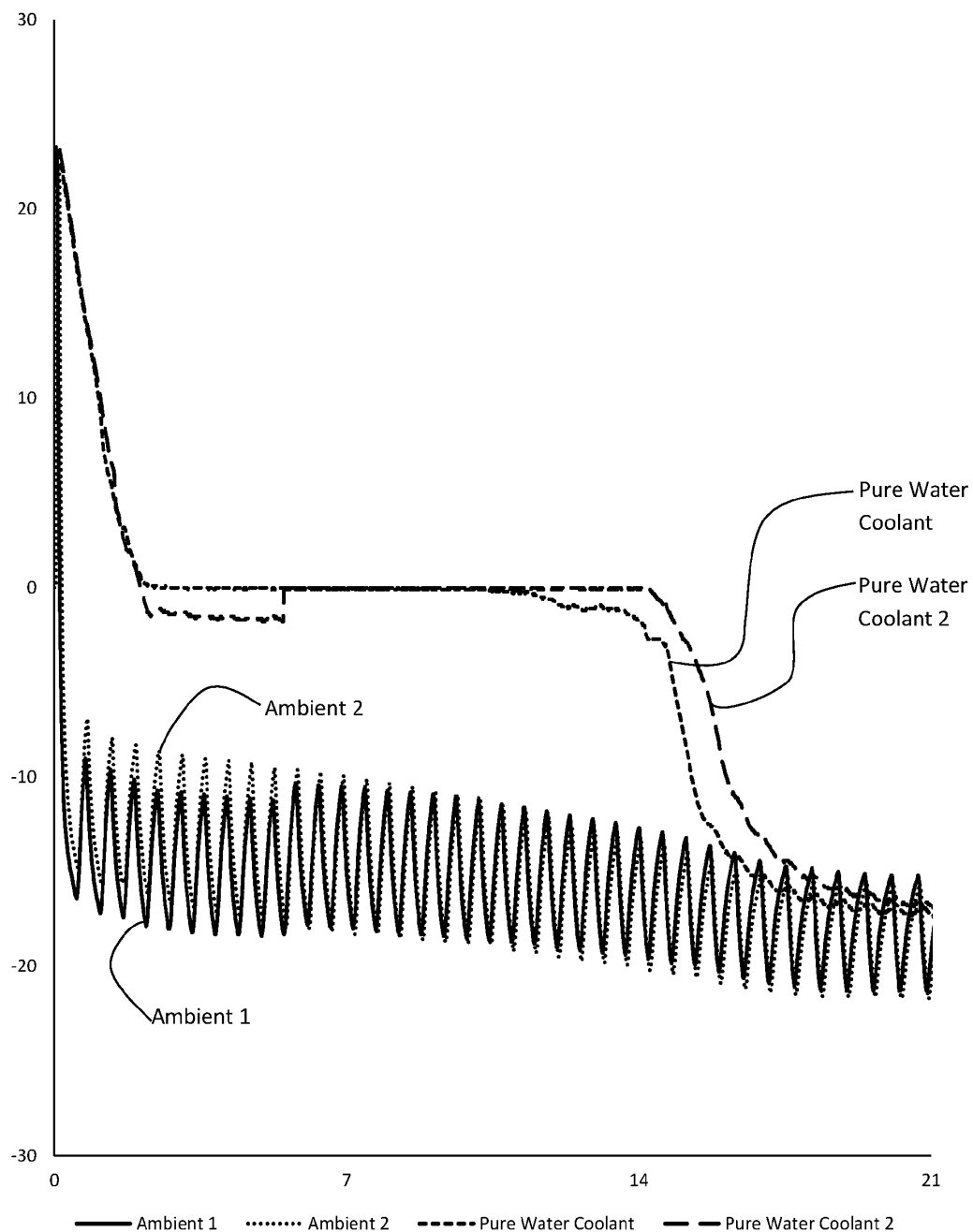
Figure 6

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Freeze Thaw Test 1129

Figure 6a

Pure Water Coolants Graph 1/2

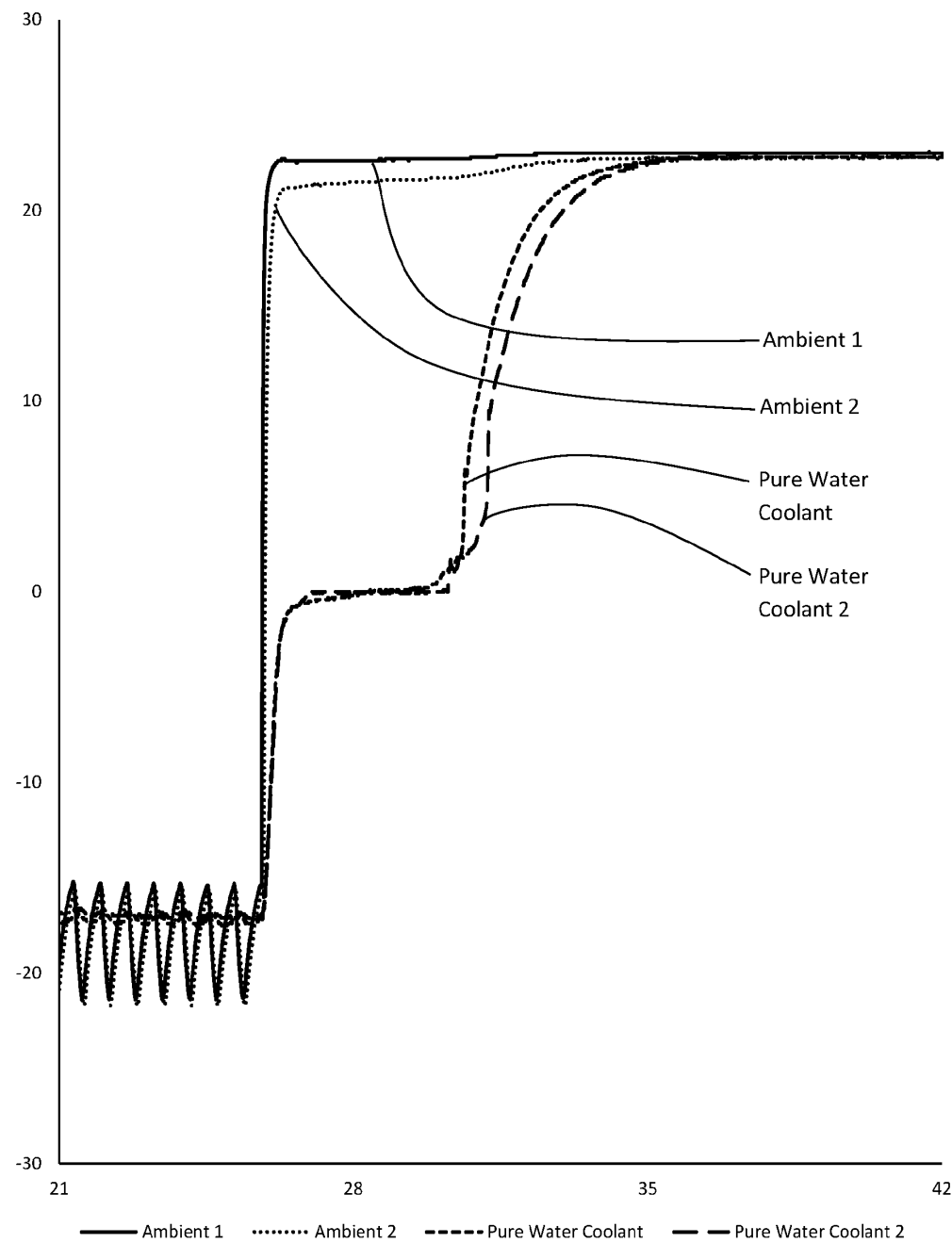


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Freeze Thaw Test 1129

Figure 6a

Pure Water Coolants Graph 2/2

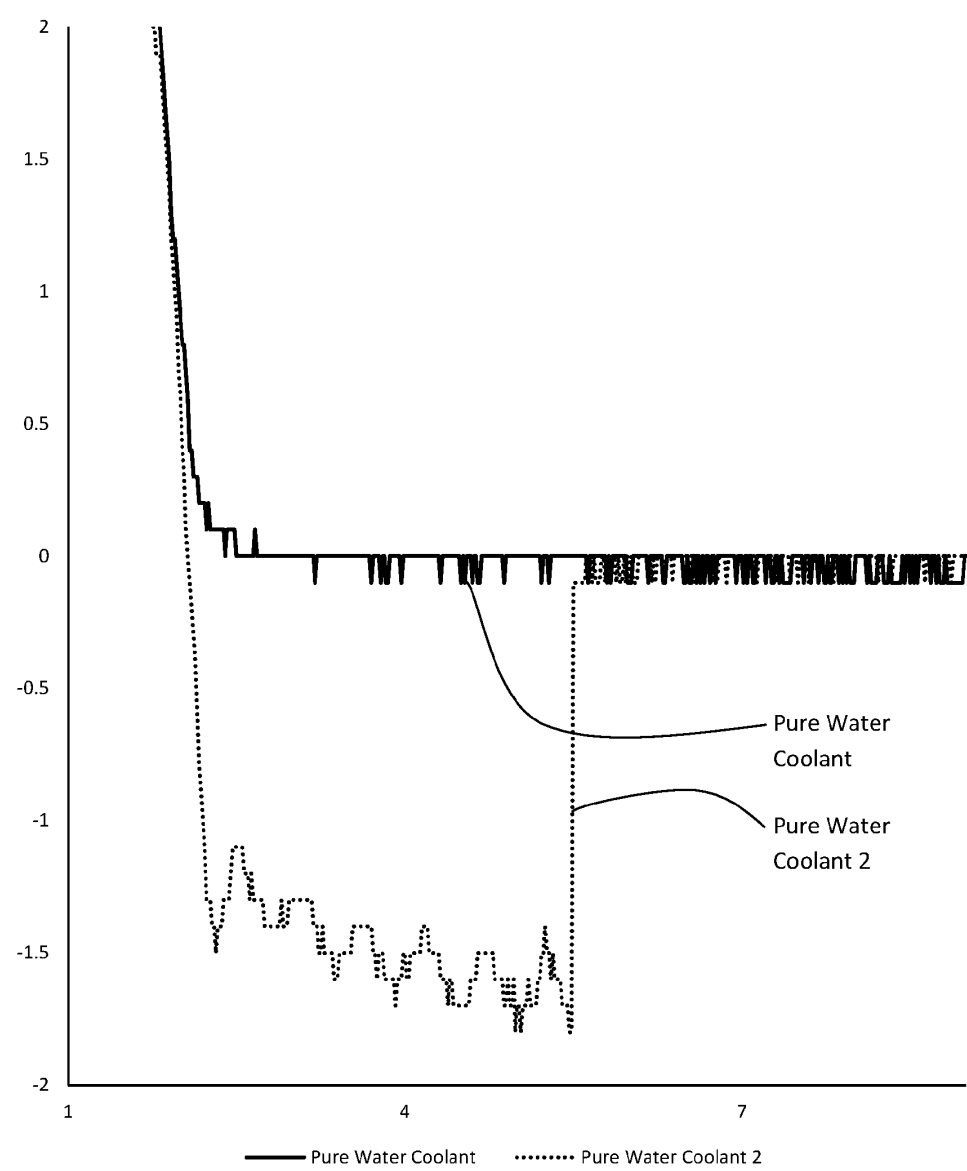


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Freeze Down Test

Figure 6b

Pure Water Coolants Graph 1/2

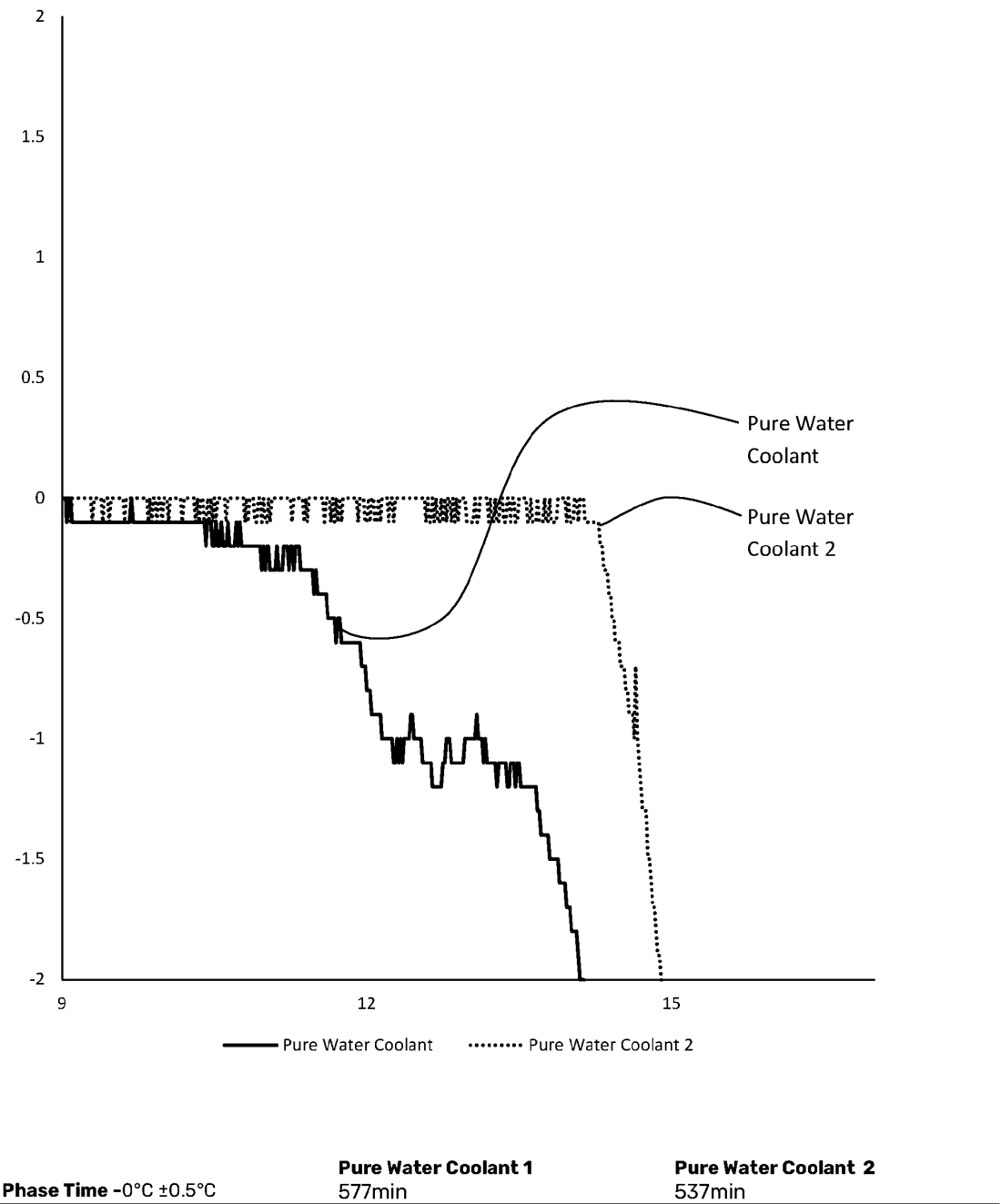


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Freeze Down Test

Figure 6b

Pure Water Coolants Graph 2/2

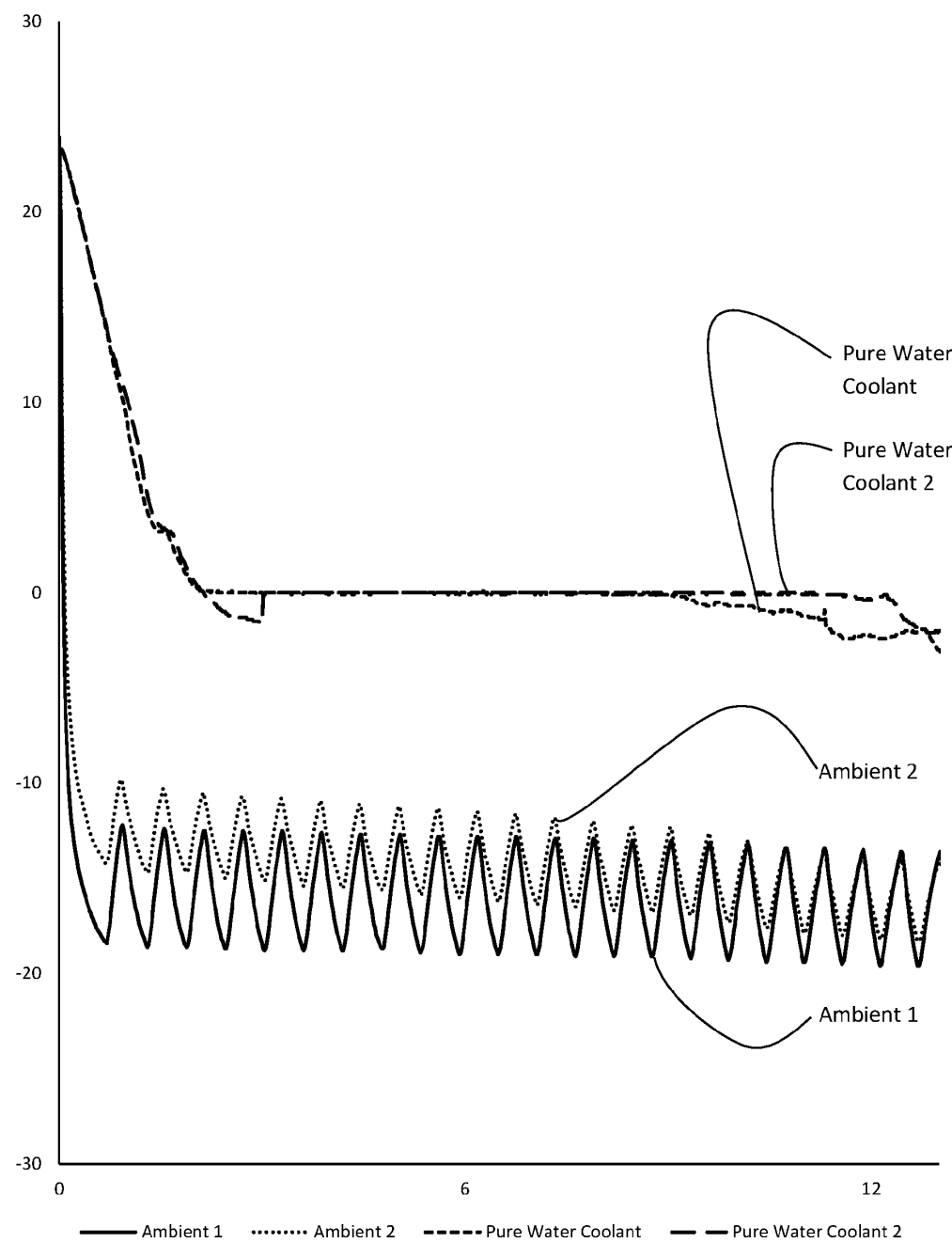


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Freeze Thaw Test 1136

Figure 6c

Pure Water Coolants Graph 1/2

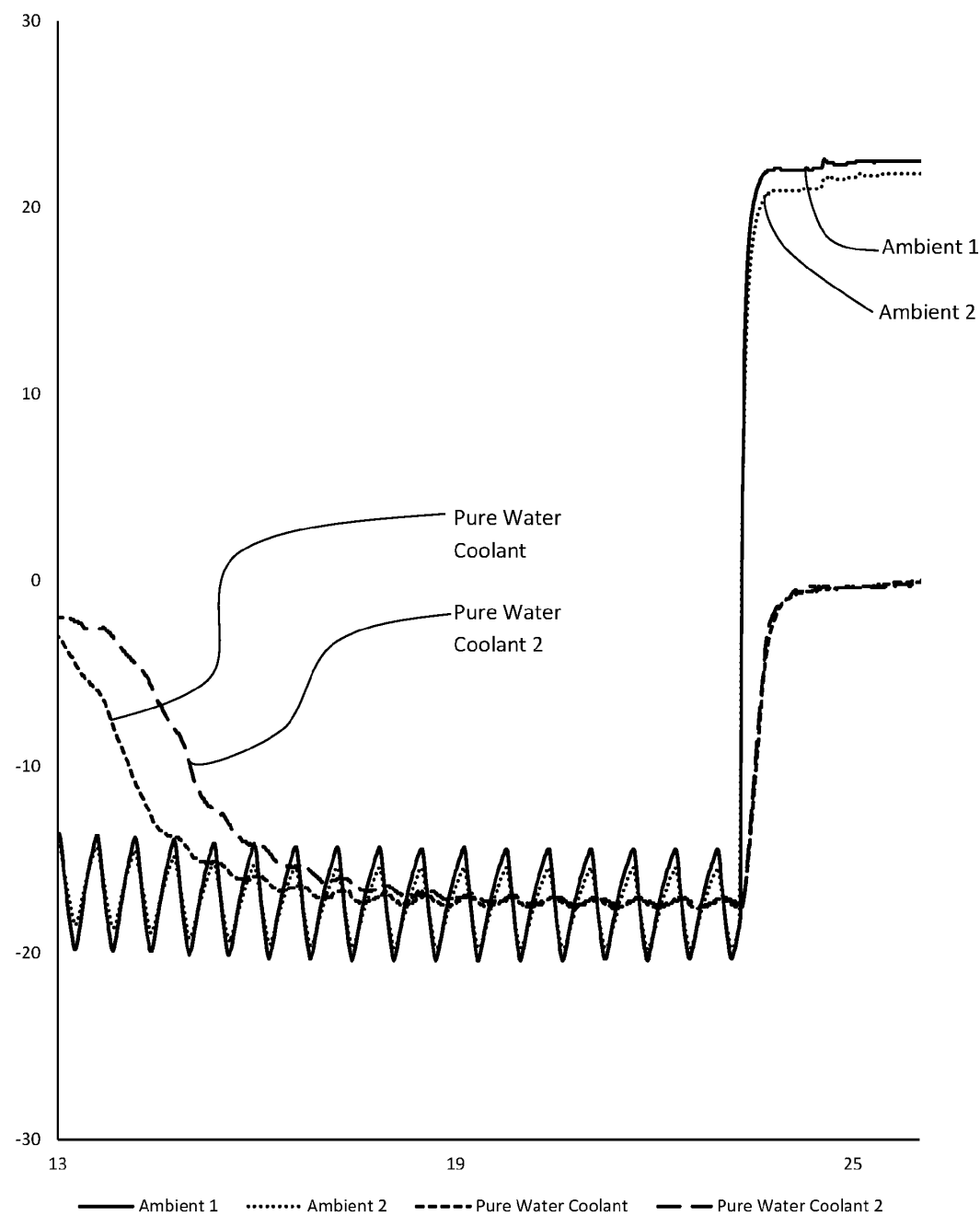


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Freeze Thaw Test 1136

Figure 6c

Pure Water Coolants Graph 2/2

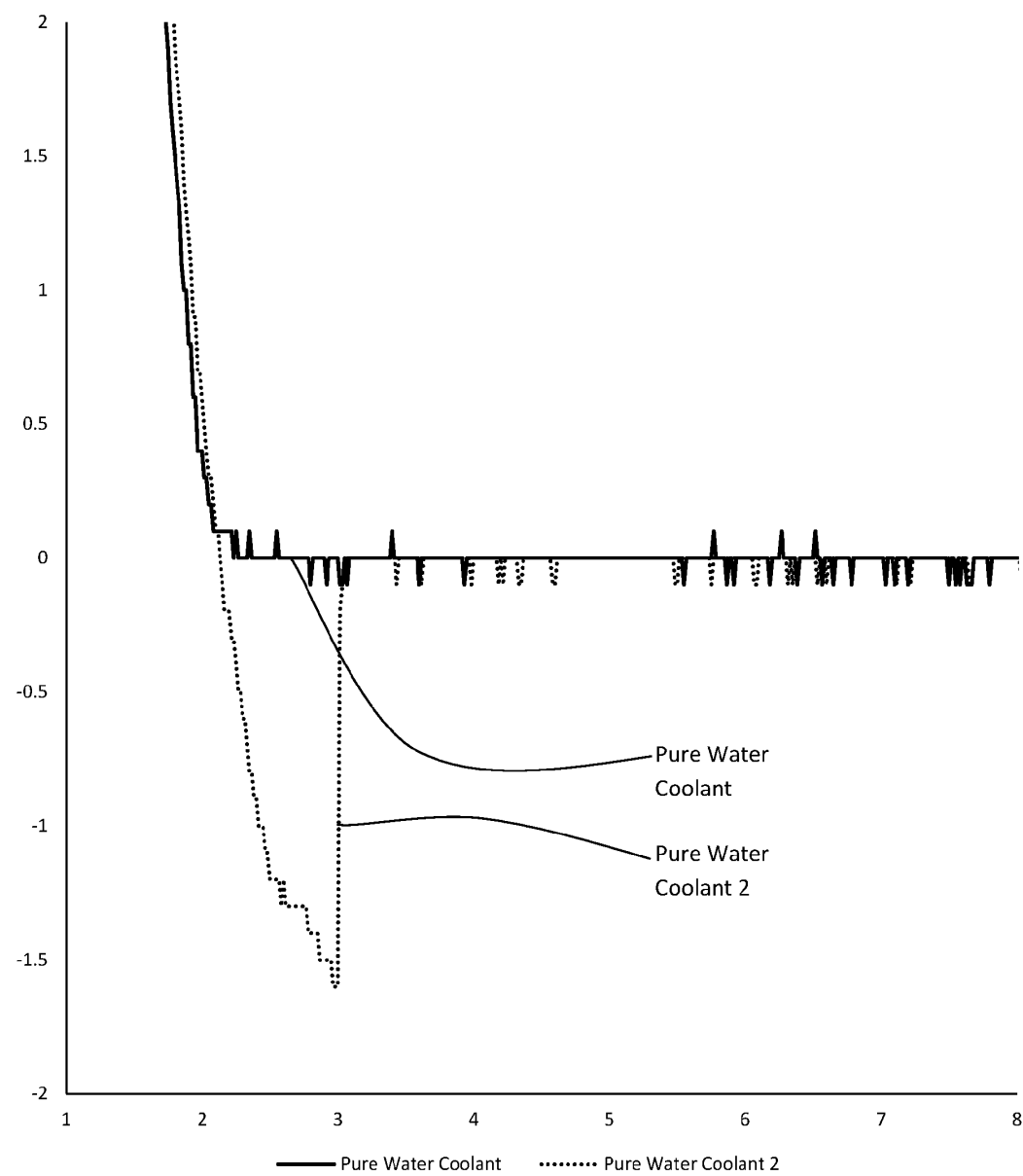


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Freeze Down Test

Figure 6d

Pure Water Coolants Graph 1/2

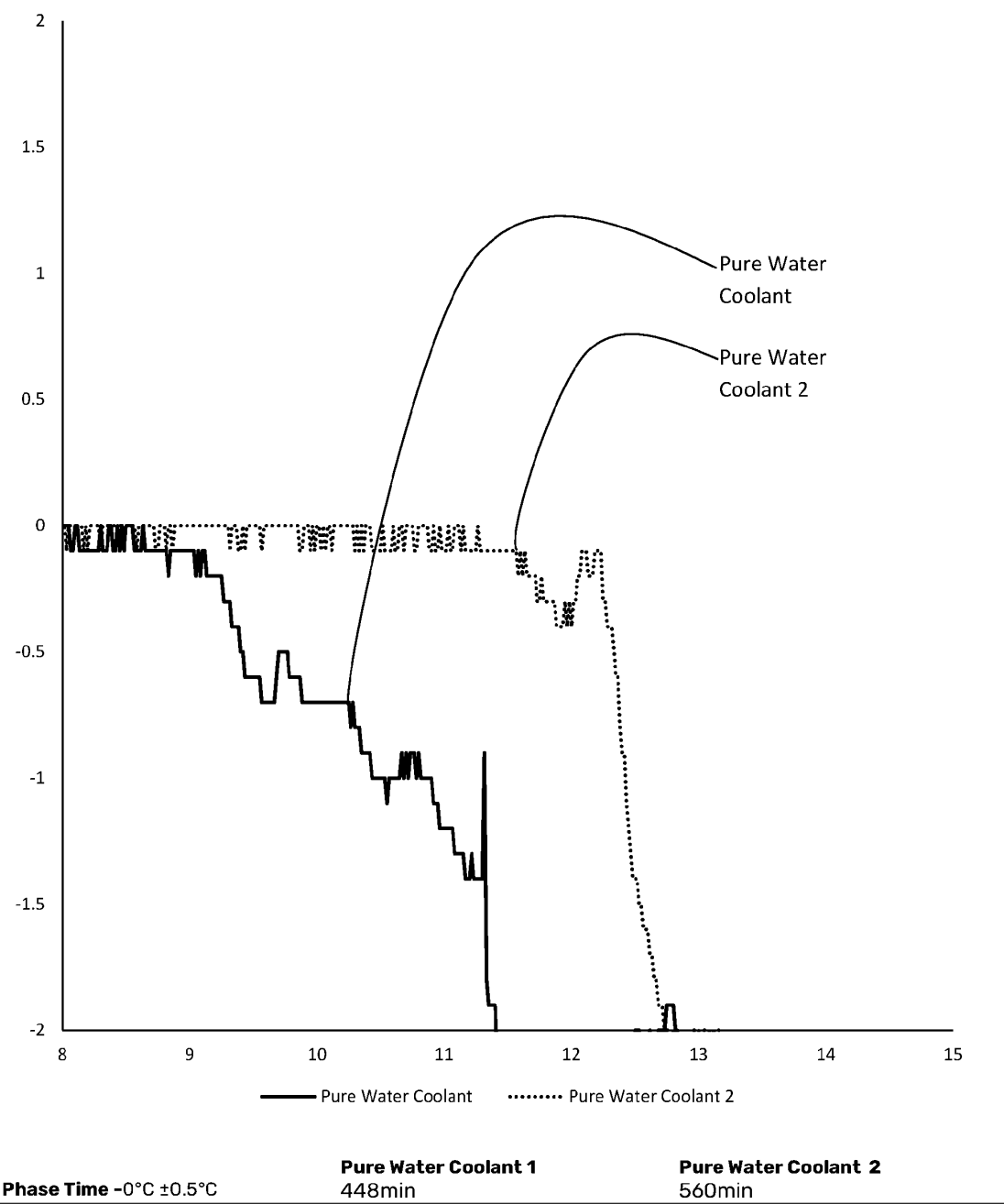


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Freeze Down Test

Figure 6d

Pure Water Coolants Graph 2/2



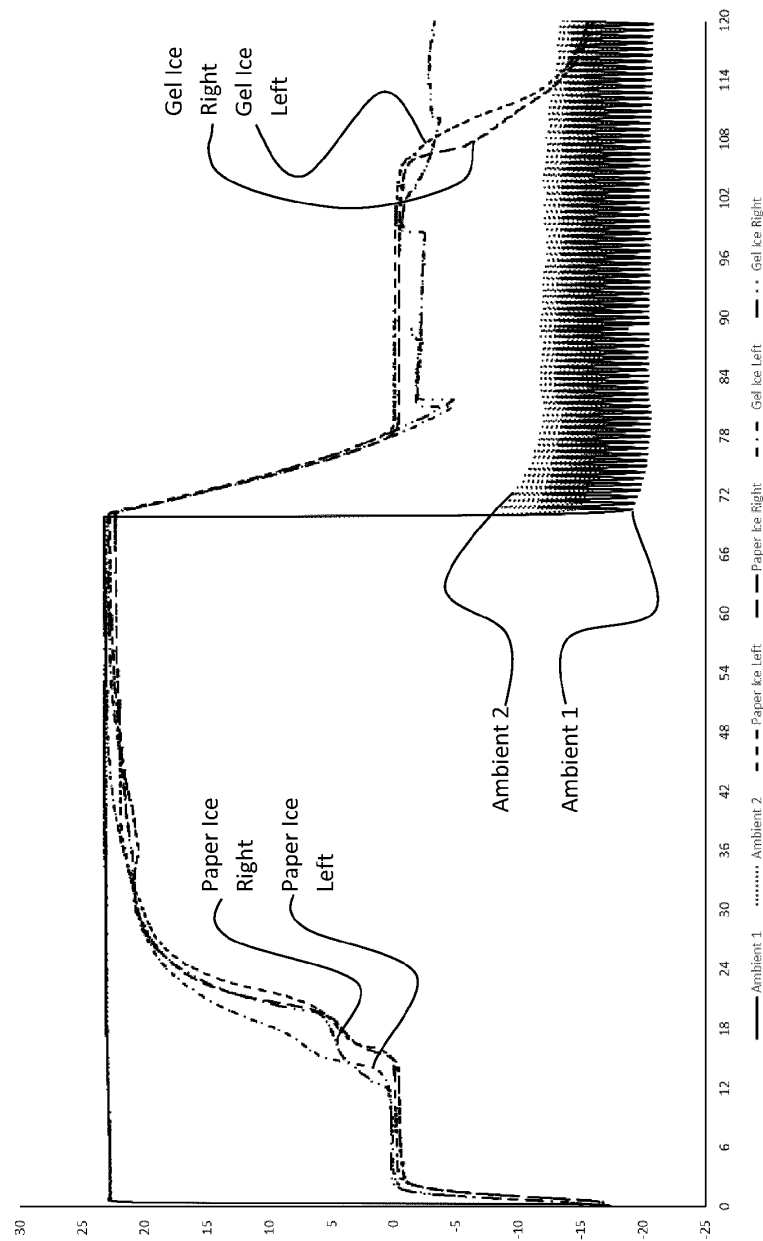
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PHARMACOOOL® 3000G 1103

Figure 7a

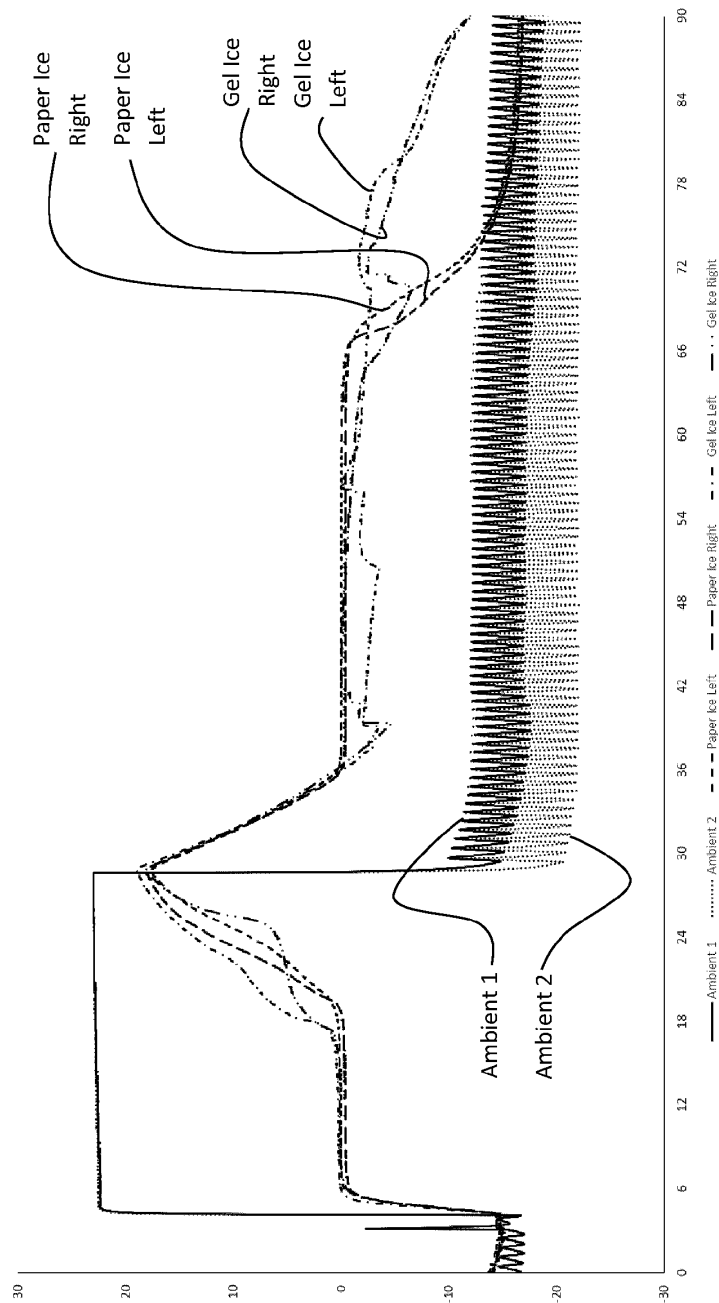
PAPERICE® vs Gel Ice Freeze Thaw Test

Duration: +100hours



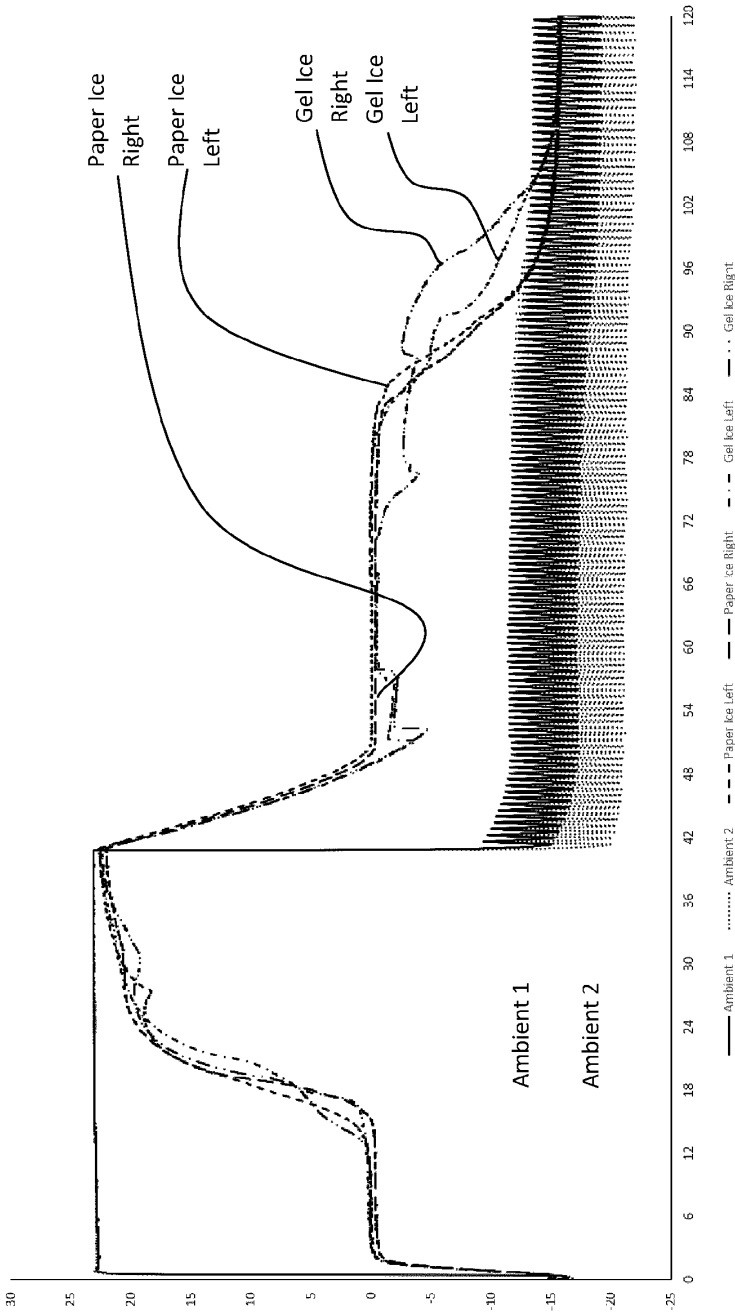
PHARMACOOL® 3000G 1090
PAPERICE® vs Gel Ice Freeze Thaw Test
DURATION: +90hours

Figure 7b



PHARMACOOL® 3000G 1082
PAPERICE® vs Gel Ice Freeze Thaw Test
DURATION: +100hours

Figure 7c

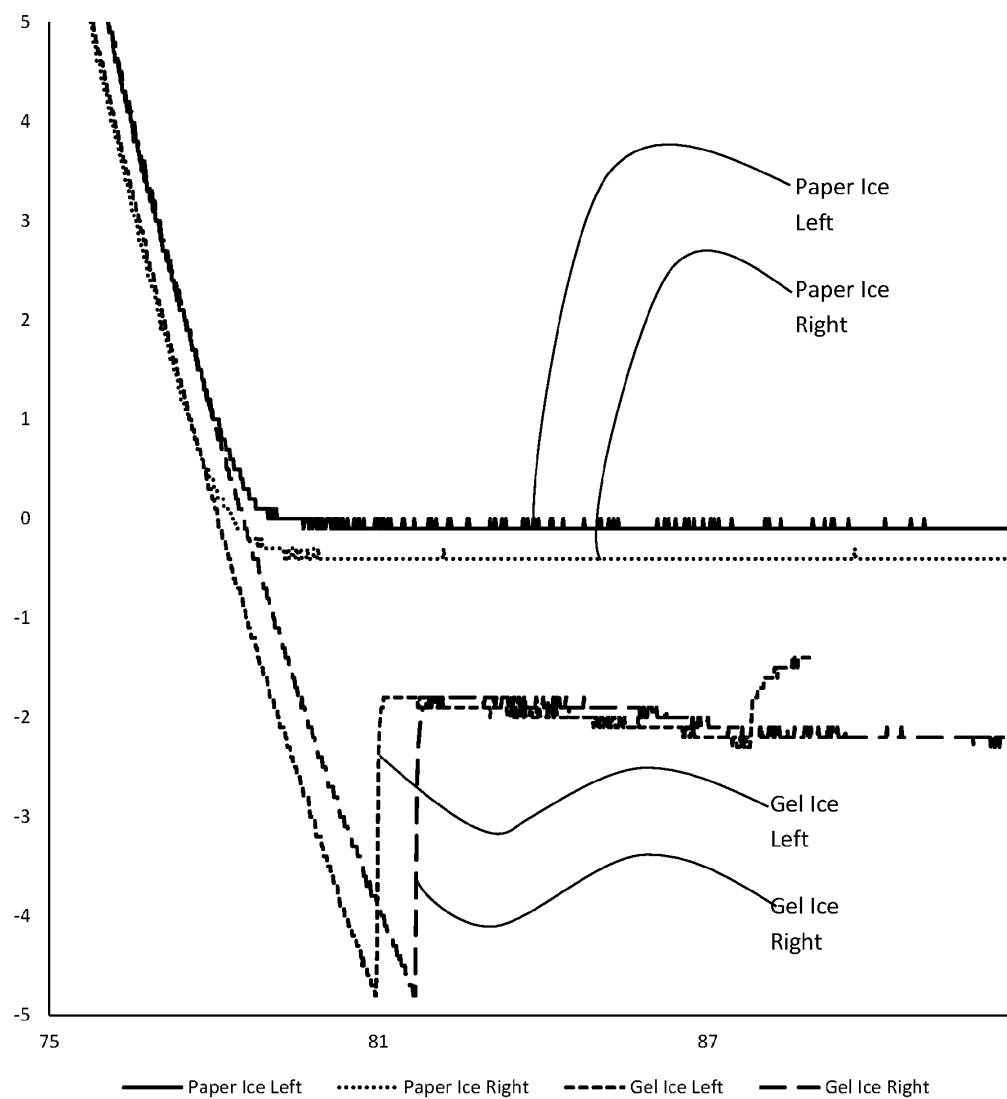


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Solidification Phase 1103
PHARMACOOOL® 3000G

Figure 8a

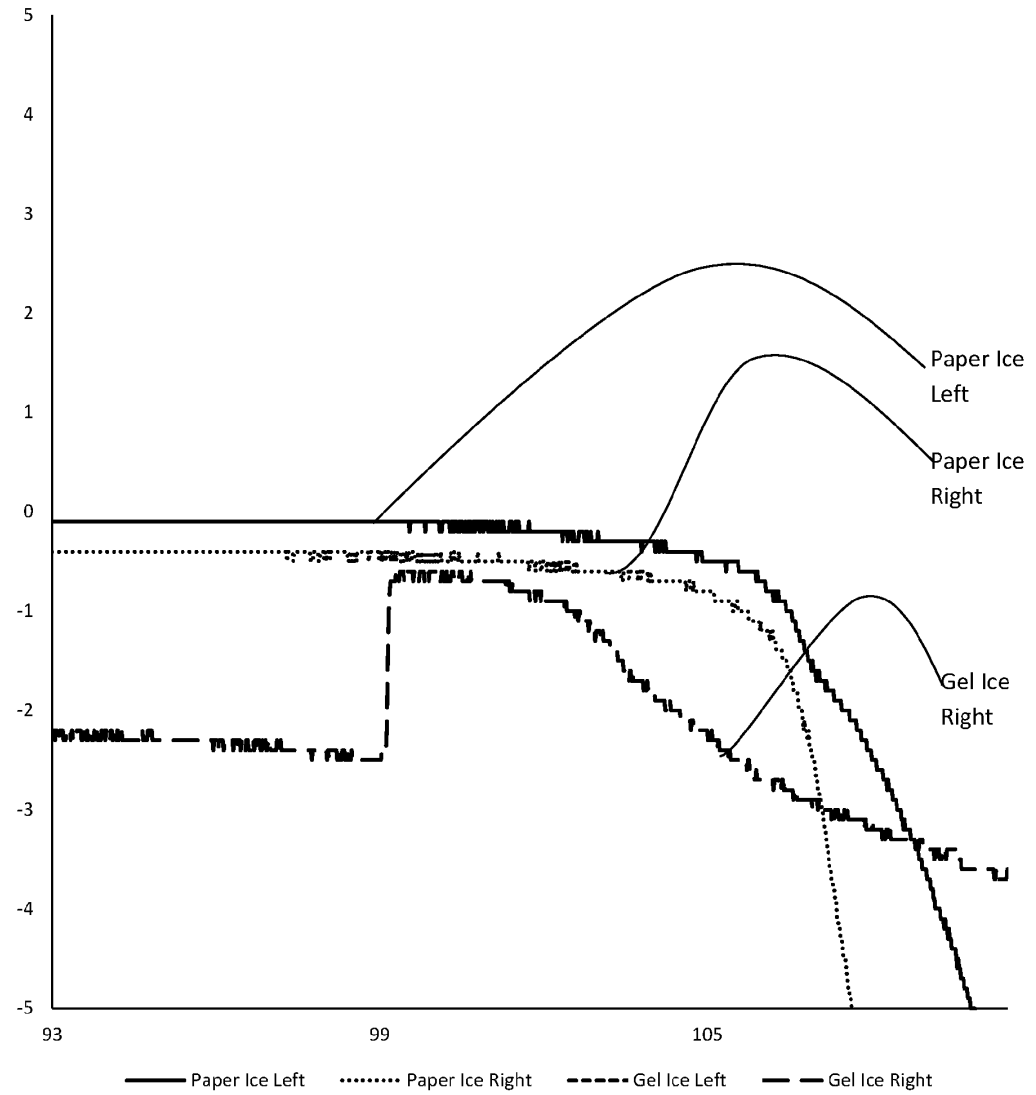
PAPERICE® vs Gel Ice Graph 1/2



Solidification Phase 1103
PHARMACOOOL® 3000G

Figure 8a

PAPERICE® vs Gel Ice Graph 2/2



Solidification Phase Performance -(average L+R)		
	Paper Ice	Gel Ice
Phase Time (0°C ±0.5°C):	1516 min	34 min
Mean Temp -	-0.25°C	-0.00°C

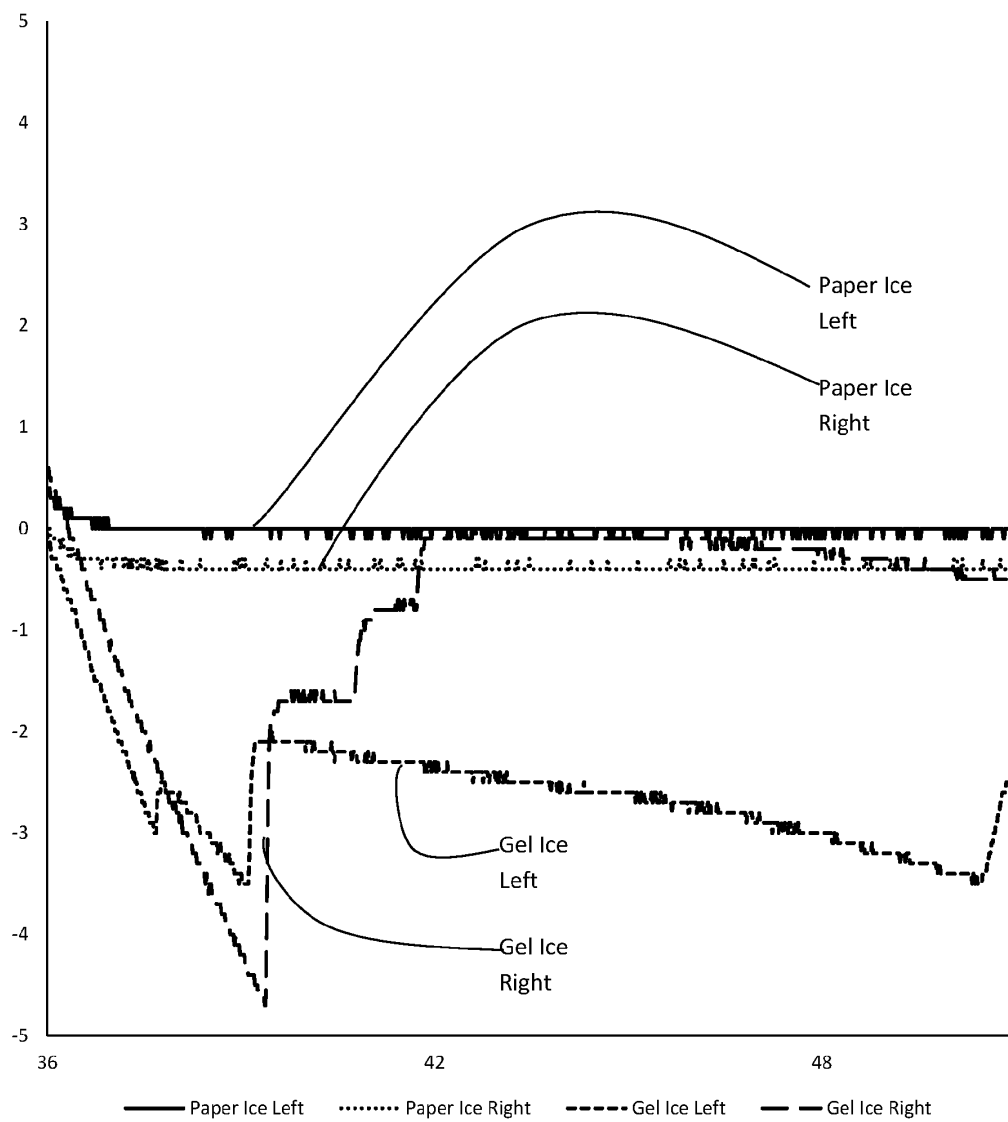
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Solidification Phase 1090

Figure 8b

PHARMACOOOL® 3000G

PAPERICE® vs Gel Ice Graph 1/2

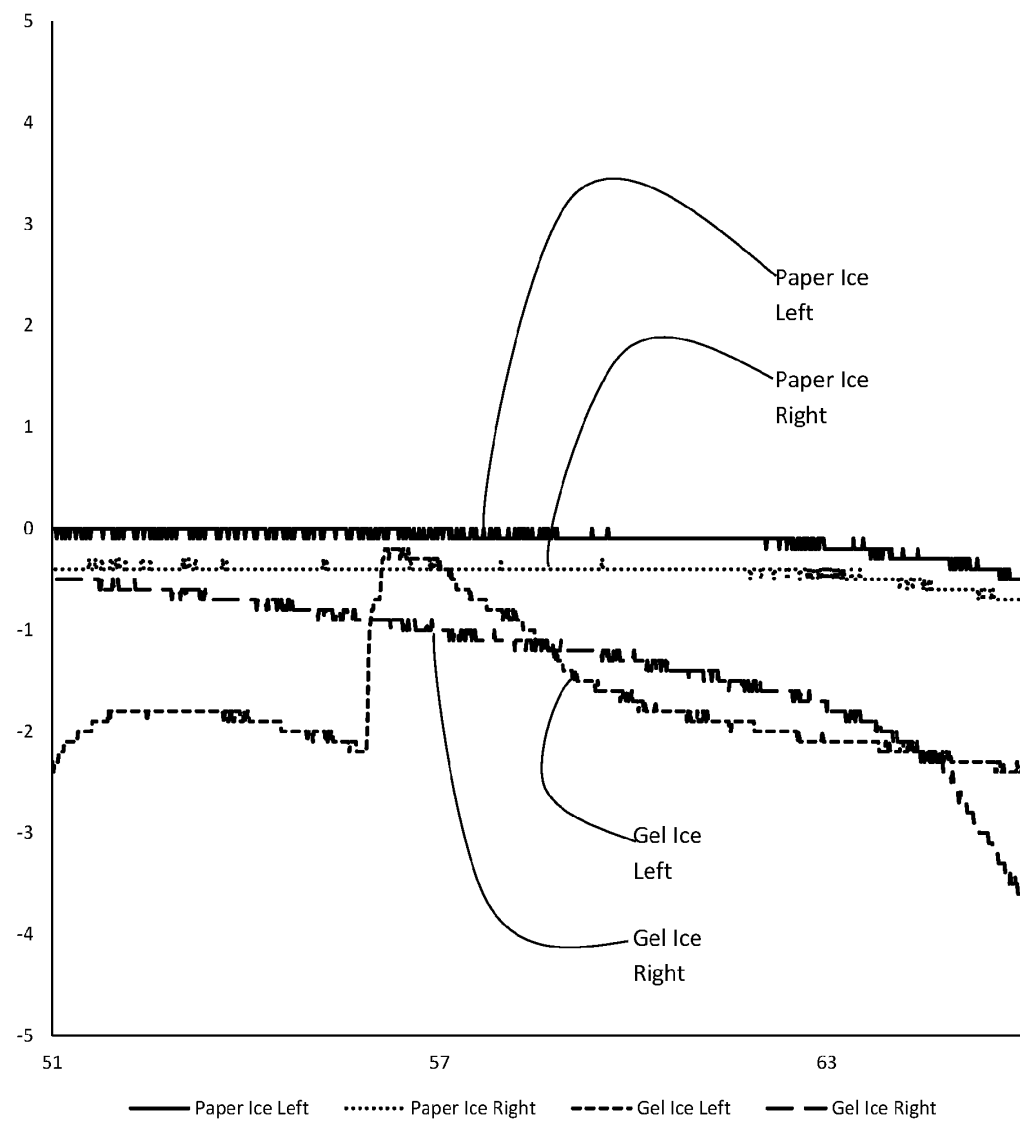


Solidification Phase 1090

Figure 8b

PHARMACOOOL® 3000G

PAPERICE® vs Gel Ice Graph 2/2



Solidification Phase Performance - (average L+R)		
	Paper Ice	Gel Ice
Phase Time (0°C ±0.5°C):	1784 min	351 min
Mean Temp:	-0.24°C	-0.07°C

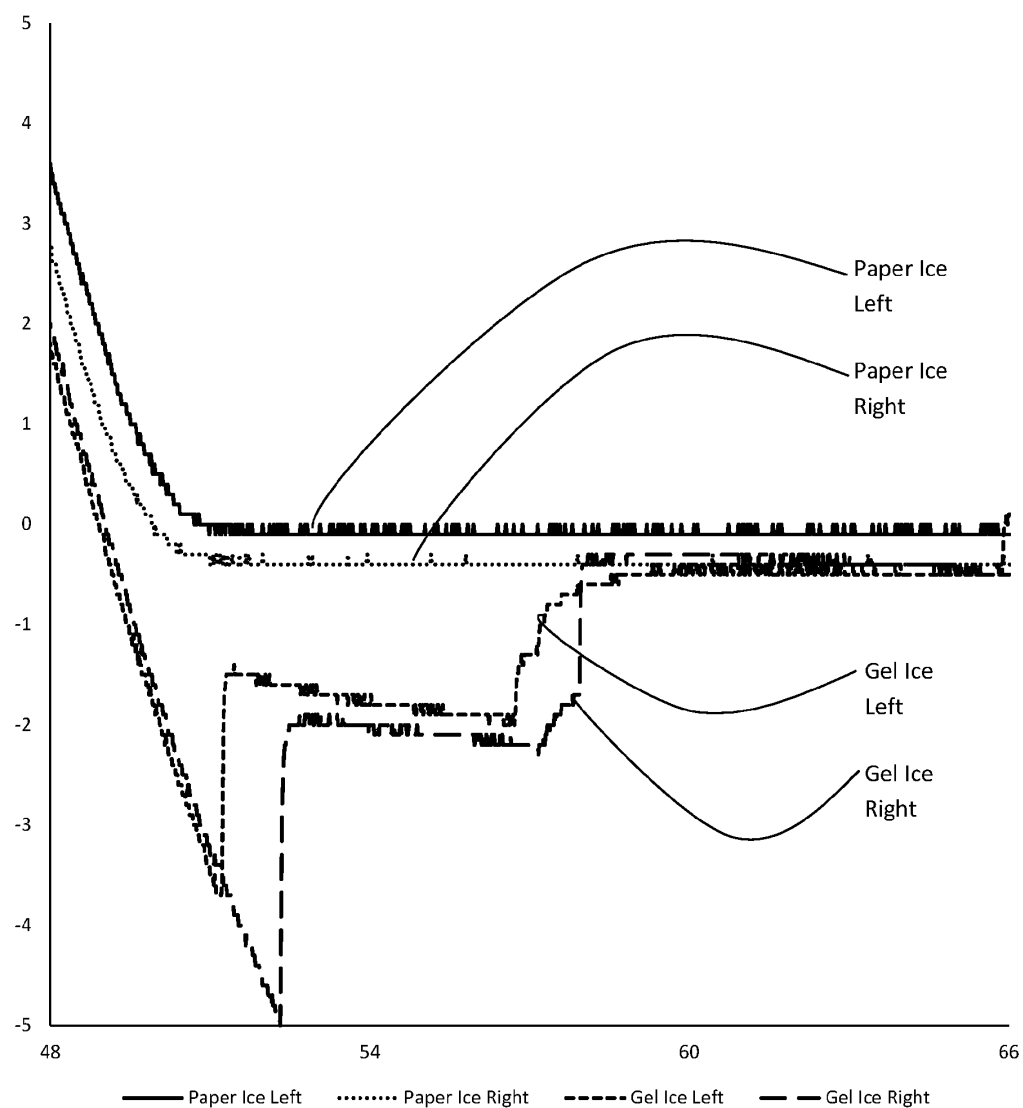
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Solidification Phase 1082

Figure 8c

PHARMACOOOL® 3000G

PAPERICE® vs Gel Ice Graph 1/2

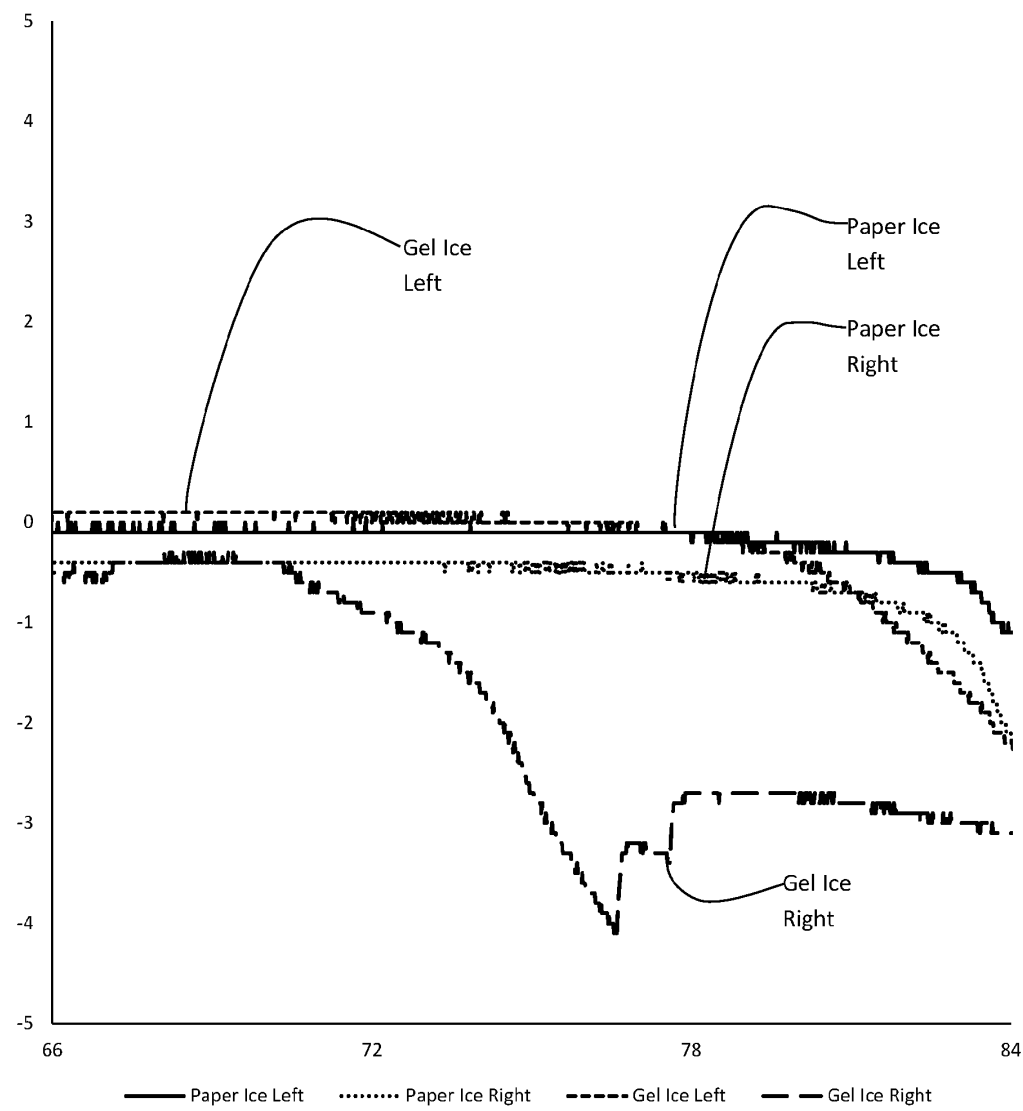


Solidification Phase 1082

Figure 8c

PHARMACOOOL® 3000G

PAPERICE® vs Gel Ice Graph 2/2



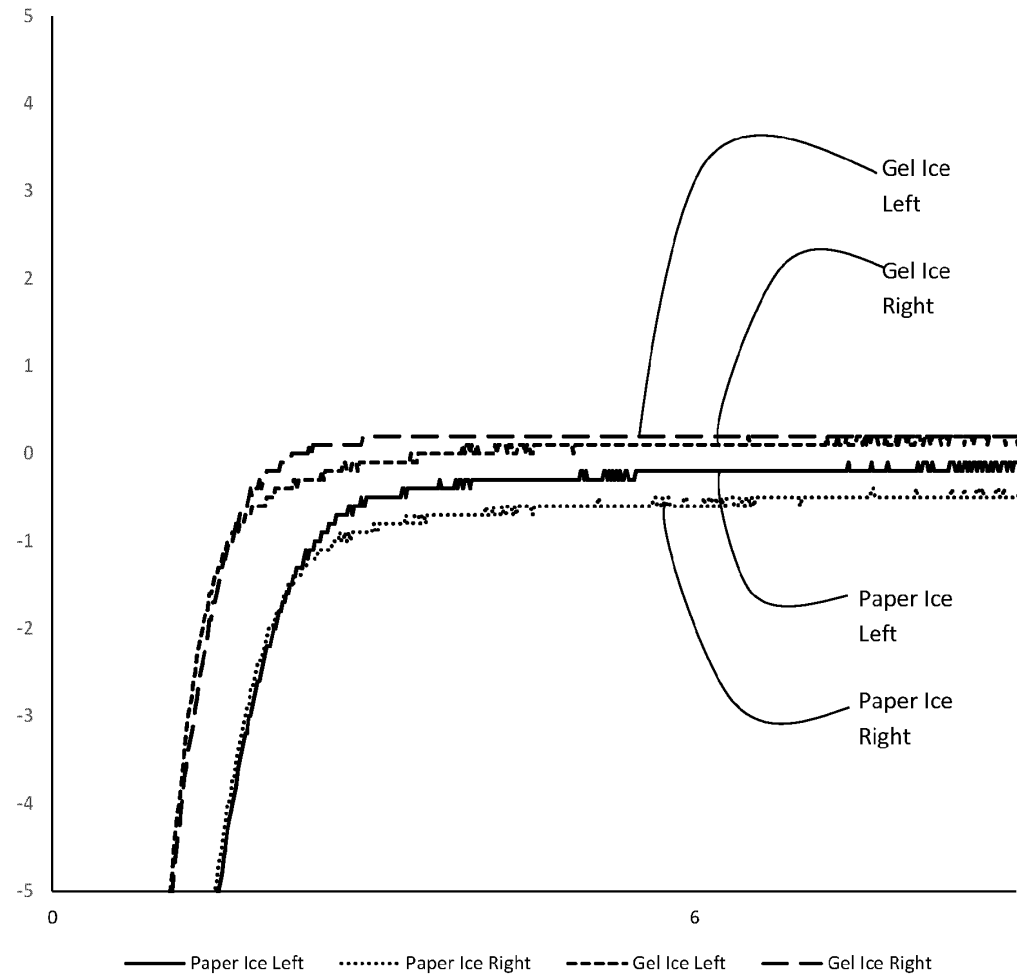
Solidification Phase Performance - (average L+R)		
Phase Time (0°C ±0.5°C):	Paper Ice 1220 min	Gel Ice 697 min
Mean Temp:	-0.24°C	0.24°C

Liquefaction Phase 1103

Figure 9a

PHARMACOOOL® 3000G

PAPERICE® vs Gel Ice Graph 1/2



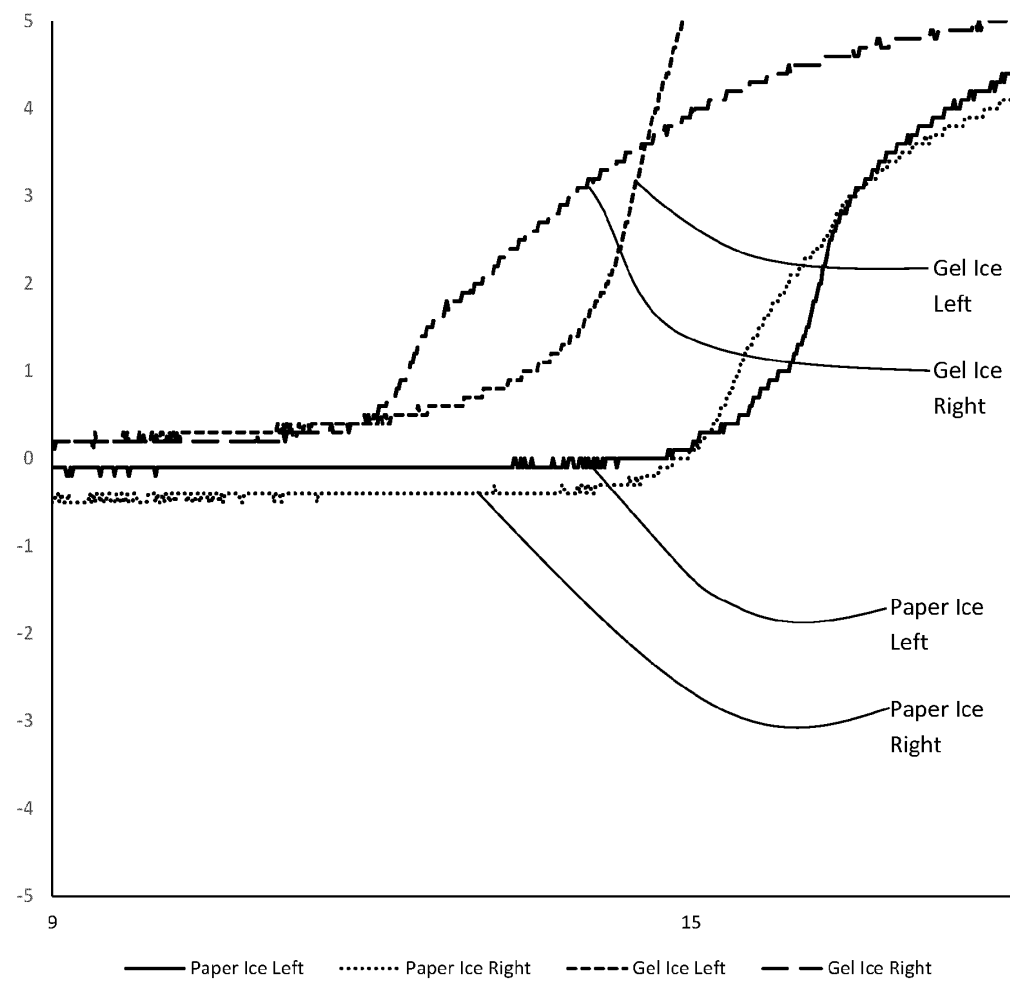
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Liquefaction Phase 1103

Figure 9a

PHARMACOOOL® 3000G

PAPERICE® vs Gel Ice Graph 2/2



Liquefaction Phase Performance -(average L+R)

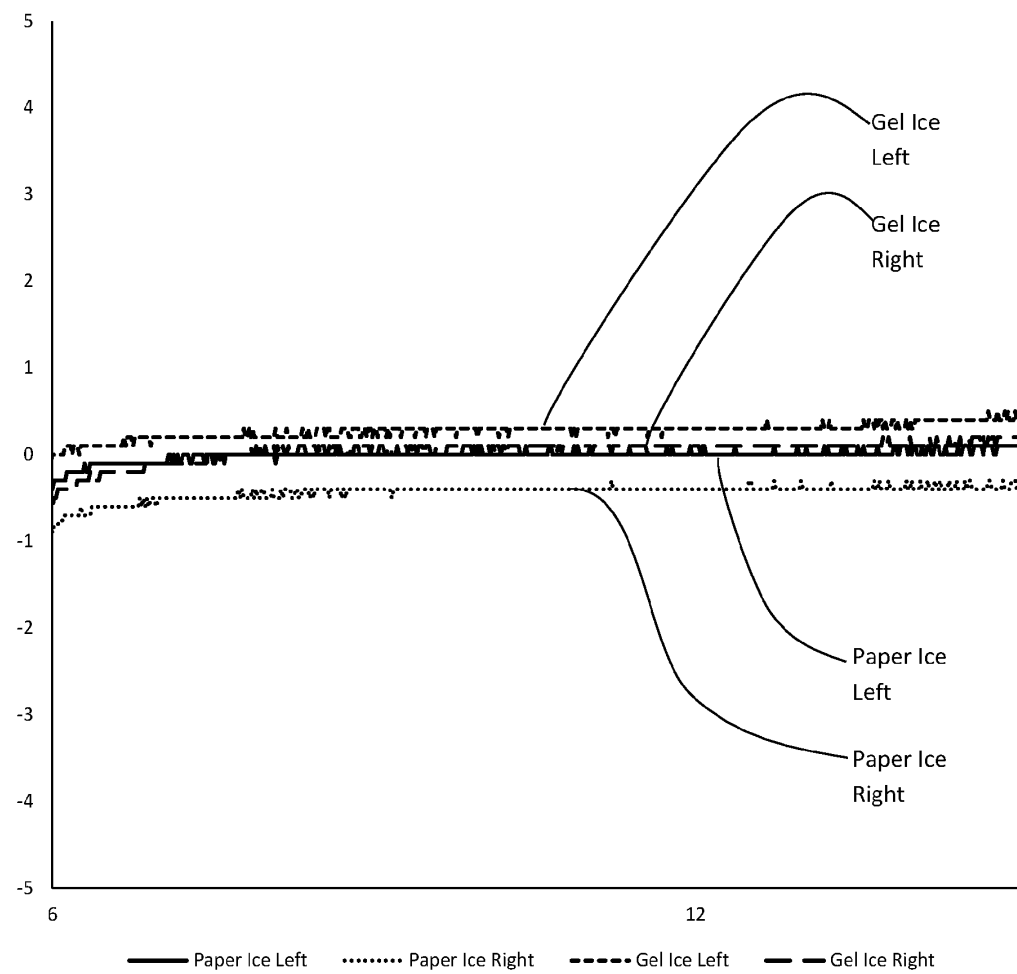
	Paper Ice	Gel Ice
Phase Time (0°C ±0.5°C):	641 min	623 min
Mean Temp:	-0.24°C	0.16°C

Liquefaction Phase 1090

Figure 9b

PHARMACOOOL® 3000G

PAPERICE® vs Gel Ice Graph 1/2

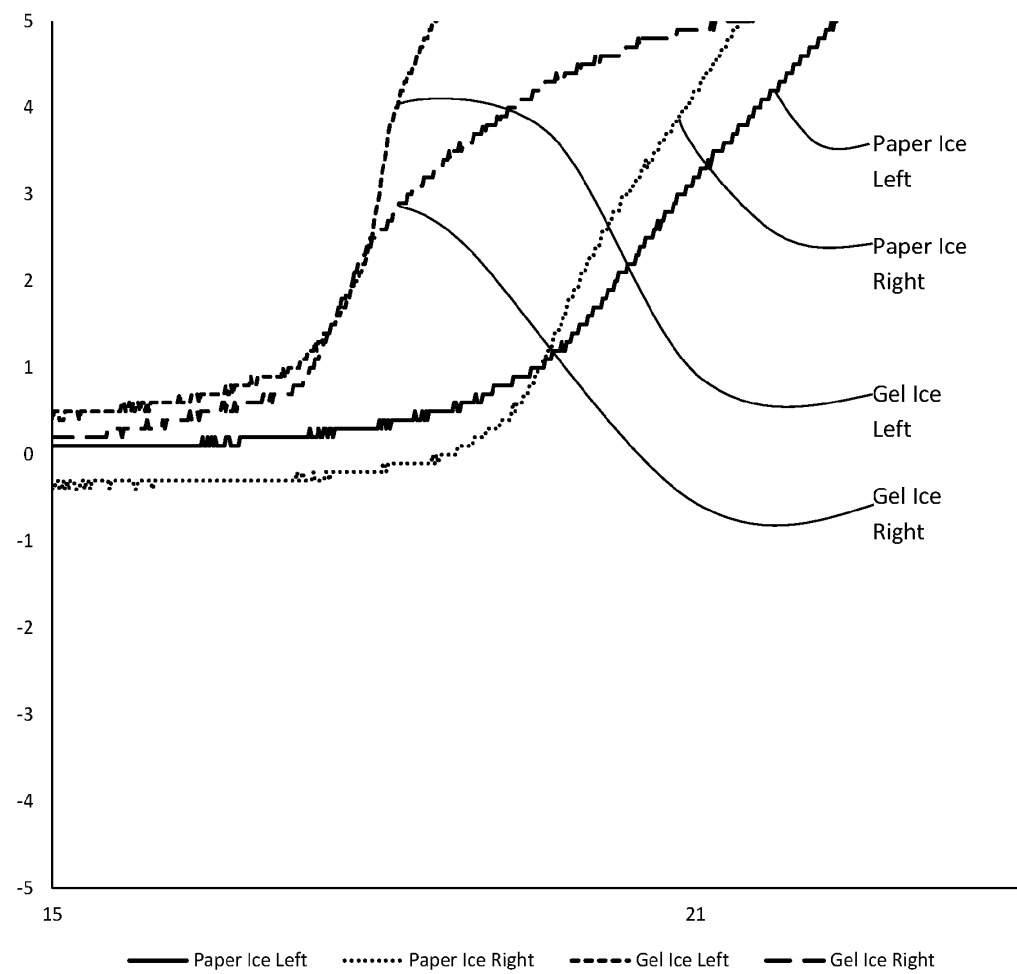


Liquefaction Phase 1090

Figure 9b

PHARMACOOOL® 3000G

PAPERICE® vs Gel Ice Graph 2/2



Liquefaction Phase Performance -(average L+R)

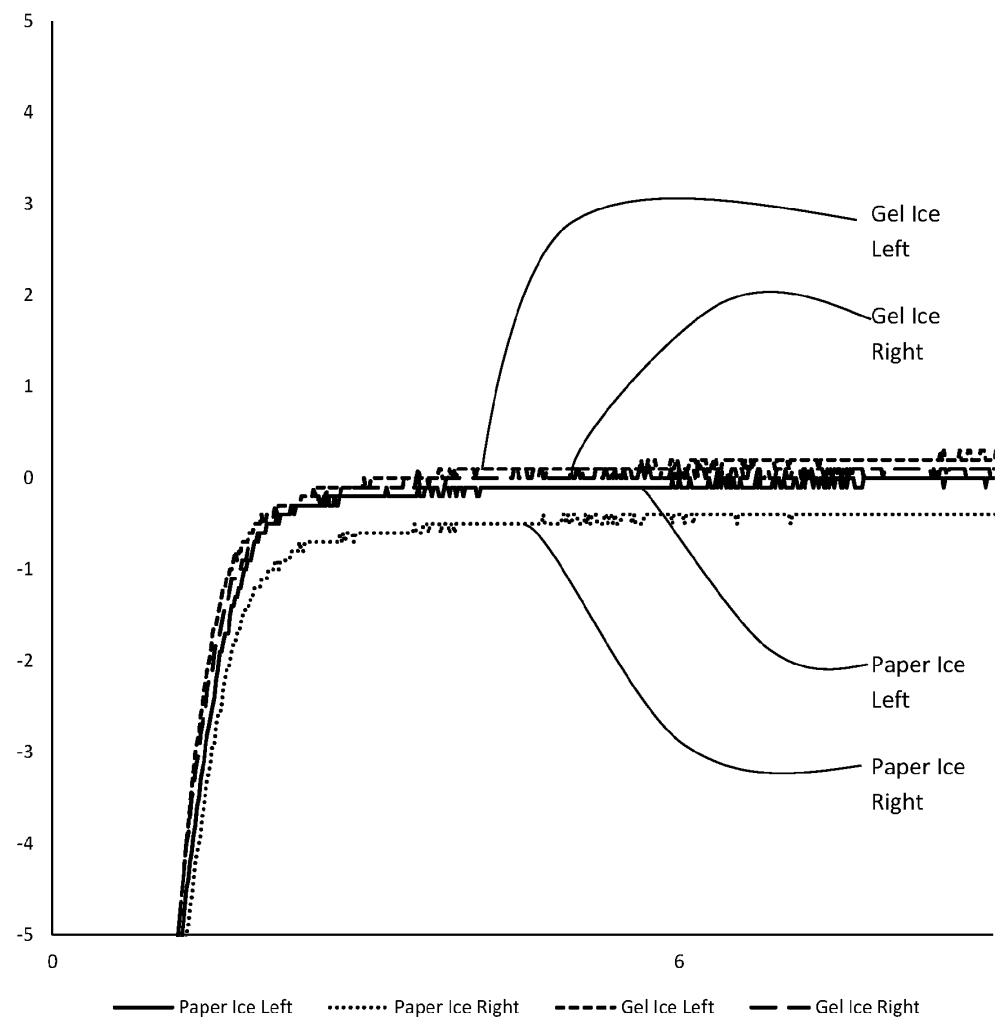
	Paper Ice	Gel Ice
Phase Time (0°C ±0.5°C):	761.5 min	622.5 min
Mean Temp:	-0.11°C	0.30°C

Liquefaction Phase 1082

Figure 9c

PHARMACOOOL® 3000G

PAPERICE® vs Gel Ice Graph 1/2

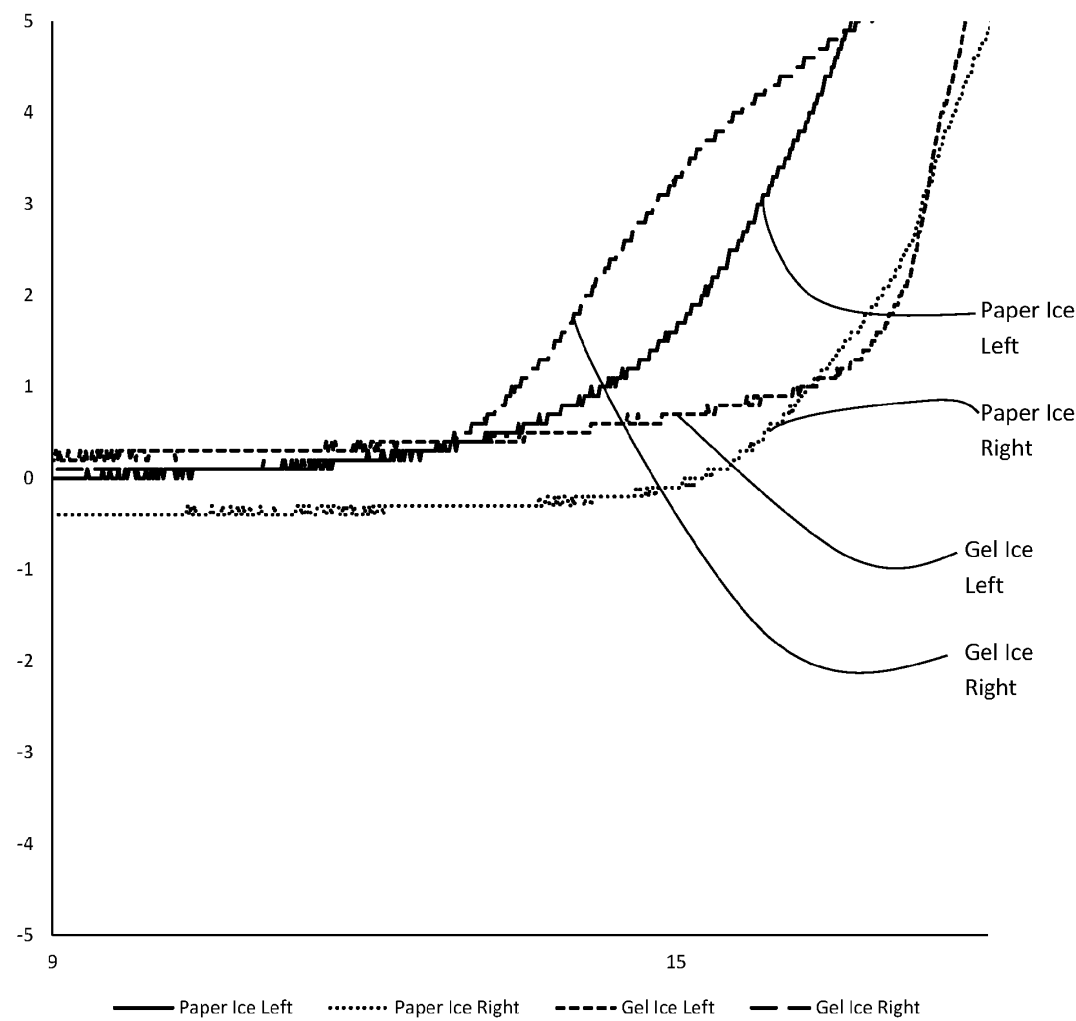


Liquefaction Phase 1082

Figure 9c

PHARMACOOOL® 3000G

PAPERICE® vs Gel Ice Graph 2/2



Liquefaction Phase Performance -(average L+R)

	Paper Ice	Gel Ice
Phase Time (0°C ±0.5°C):	715 min	697 min
Mean Temp:	-0.17°C	0.13°C