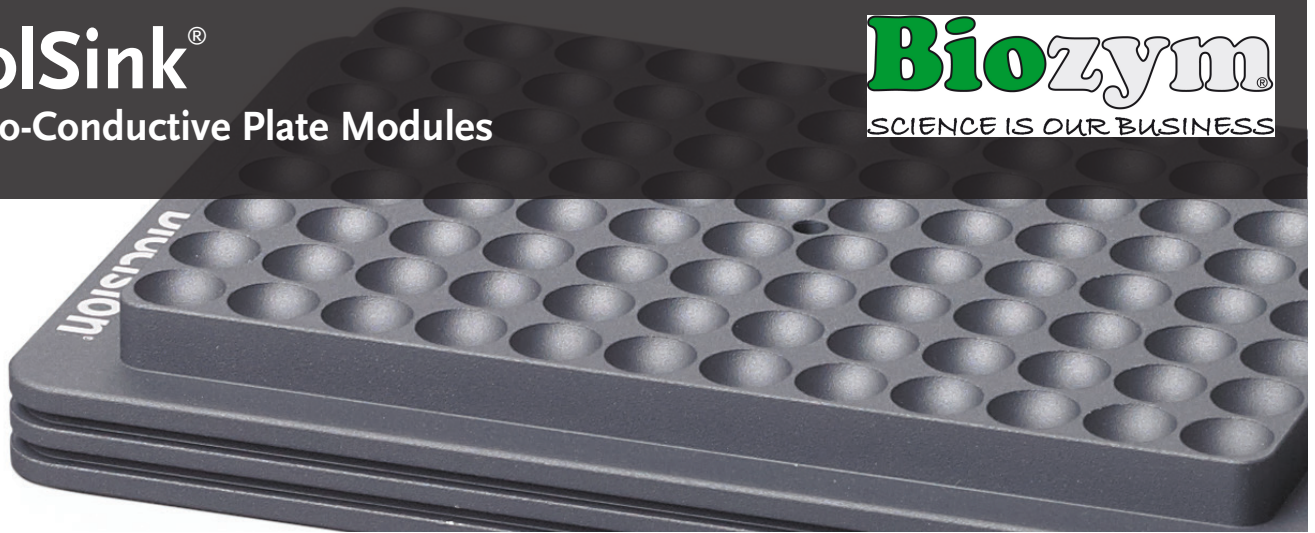


CoolSink®

Thermo-Conductive Plate Modules



CoolSink® thermo-conductive plate and reservoir modules provide uniform temperature to all wells, regardless of position. When placed onto a temperature source such as ice, dry ice, liquid nitrogen or water baths, the CoolSink module will rapidly adapt to that temperature - from -196°C to >+100°C. CoolSink modules ensure temperature sample uniformity when cooling, snap freezing, heating or thawing samples. All CoolSink modules may be autoclaved, high heat sterilized or decontaminated with bleach, alcohol or other disinfectants or lab detergents. All modules are compatible with all temperature sources.

Problem: Non-Uniform Plate Cooling with Crushed Ice

Final equilibrium well temperature for a 96-well flat bottom plate in direct contact with crushed ice.

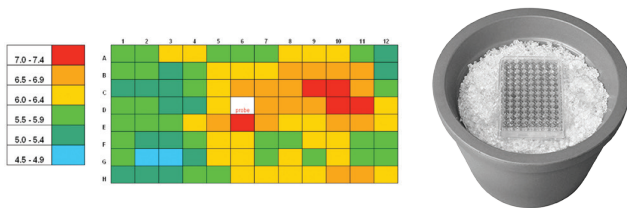


Plate directly on crushed ice does not reach 4°C in any of the wells and well-to-well temperature is uneven.

Solution: Uniform Plate Cooling with CoolSink® XT 96F Module

CoolSink 96F on ice. Colors represent 0.5°C temperature intervals of the corresponding plate wells. The white cell represents the well that was fitted with the thermocouple probe.

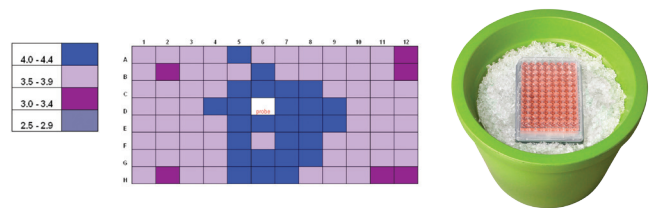


Plate placed on CoolSink module and then placed on ice shows more uniform well-to-well temperature and all wells at or below 4°C (Blue center plate wells are slightly warmer due to curvature of the underside of the plate.)
Published in Biotechniques, November 2010.

Plate and Reservoir Modules



CoolSink® XT
SBS-compatible plate modules

Item No.	Description	For Use With	Dimensions (L x W x H)
BCS-536	CoolSink XT 96F	For one 6-, 12-, 24-, 48-, 96- or 384-well flat bottom plate	12.8 x 8.5 x 1.7 cm
BCS-537	CoolSink XT 96U	For one 96-well u-bottom plate	12.8 x 8.5 x 1.7 cm



CoolSink® LX55
For 55 mL reagent reservoirs

Item No.	Description	Dimensions (L x W x H)
BCS-184	CoolSink LX55	14.6 x 6.4 x 3.5 cm



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