



# Box Scientific offers the most complete sample thawing solutions available today.

[BoxScientific.com](http://BoxScientific.com) | 724.413.0076

## Three different models to choose from:



**Station One** thaws frozen samples in a fraction of the time using only ambient air. Dual fans intake ambient air and channel it upward through a perforated thawing tray where it circulates over and around samples. This simple action decreases sample thawing times by up to 75% without any application of heat.

Capacity: two 96 well tube racks or 2 microplates; 52 microtubes up to 2ml; 34 tubes up to 50ml

**Heliport** features an expanded thawing surface for large sample arrays. Fully customizable sample arrangement for optimum functionality. And seven powerful fans to thaw everything in your freezer quickly and reproducibly. All with no excess input of heat, or tweaking of controls and no calibration or maintenance required. It also features a remote I/O port for simple integration with any automated platform you may be running.

Capacity: eleven 96 well tube racks or microplates

**Heliport Plus** has the same deck size as the Heliport but with the added feature of a 600 watt heating system that can be turned on to thaw large molecule compounds and high melt carriers such as DMSO. In addition, it's combined with 7 upgraded fans that deliver 6 liters per minute of 30C air at 2 meters per second. The heater can be turned off when not needed for other compounds

Capacity: eleven 96 well tube racks or microplates



## Thaw Times (-20C to ice free)

### Water

Container	Fill	Quantity	Station One	Room Temp	Thaw Time % Decrease
1.5 ml microcentrifuge tube	1.4 ml	52	14 min	25 min	44%
15 ml conical	15 ml	6	28 min	49 min	43%
50 ml conical	40ml	2	34 min	75 min	55%
96 well microplate	200 ul	2 plates of 96	11 min	22 min	50%
1.4 ml tubes	700ul	2 racks of 96	30 min	150 min	80%

Container	Fill	Quantity	Heliport	Room Temp	Thaw Time % Decrease
1.4 ml tubes	800 ul	11 racks of 96	19 min	177 min	89%
1.4 ml tubes	700 ul	11 racks of 96	17 min	150 min	89%
1.4 ml tubes	600 ul	11 racks of 96	12 min	131 min	91%
1.4 ml tubes	400 ul	11 racks of 96	11 min	108 min	90%
1.4 ml tubes	200 ul	11 racks of 96	9 min	97 min	91%

### DMSO

Container	Fill	Quantity	Heliport Plus	Room Temp	Thaw Time % Decrease
FluidX AcoustiX tubes	70 ul	11 racks of 96	9 min	35 min	74%
1.4 ml tubes- push cap	700 ul	11 racks of 96	24 min	240 min	90%
1.4 ml tubes- screw cap	700 ul	11 racks of 96	18 min	160 min	89%
1.4 ml tubes- push cap	700 ul	11 racks of 96	14 min	210 min	93%