



Thermo Scientific Heraeus Selector Guide

Ovens, Incubators and Sterilizers



*Simplifying your decision –
choose the right model for any application*

For more than 80 years, customers have depended on Thermo Scientific Heraeus equipment to meet all of their application needs. During that time, we have worked closely with users worldwide to understand their requirements to design a broad range of Heraeus® ovens, incubators and sterilizers that assure their success.

Safe Operation

Each unit offers numerous safety features that protect not only you and your samples, but the environment and the equipment as well.

Maximum Hygiene

Unit interiors feature rounded edges and corners for easy cleaning and disinfection, minimizing the potential for contamination of samples. Shelves and supports can be easily removed without the need for tools. Flexible shelf systems can accommodate a wide variety of samples to meet your application needs.

Small Foot Print

Our ovens, incubators and sterilizers are compact-built to save you valuable lab and production space, so you get more productive capacity for your investment.

Ovens and Sterilizers

Extensive Application Support

With our wide range of special application ovens, we can meet all your research and industrial needs, from plastics and electronics to pharmaceutical and automobile component manufacturing.

Find detailed information in the specific Heraeus brochure as outlined in the tab and easily find the right unit for YOUR application!

Incubators

Precise, Reliable Results

Our incubators provide a homogeneous, stable environment for your samples. Superior temperature uniformity ensures that your results are fully reproducible, yielding high quality information time after time.

Key:

- T Drying oven with gravity convection
- UT Drying oven with forced air convection
- VT Drying oven with forced air convection
- LUT Lacquer drying oven with forced air convection
- TK Cable and plastic test oven
- ST Sterilizer with gravity convection
- SUT Sterilizer with forced air convection
- B Incubator with gravity convection
- UB Incubator with forced air convection
- BK Incubator, refrigerated

Application	What Material / Sample
Drying	Glassware
	Powders
	Paper, Textile
	Soil, Sand
	Electronics
	Pharmaceutical Preparations
	Volatile / Flammable Solvents
Heating	Material Testing Cables
	Stability Test Accelerated
Curing	Paint
	Adhesives
	Plastics
Heated Storage	Metals
Vulcanization	Rubber
Sterilization	Glassware, Metals, Lab Tools

Application	What Material / Sample
Bacterical Research	Bacteria
Microbiology	Microorganisms, Cells
Coliform Determinations	Bacteria
Heated Storage	Media, Samples
Tissue Histology	Tissue
Egg Incubation	Eggs
Gene Cloning	Bacteria, Cells
Hatching of insects, fish	Insects
BOD / water pollution testing	Water
Yeast Growth	Yeast

Sample Requirements	Recommended Thermo Scientific Heraeus Products	Working Capacity	Thermo Scientific Reference Brochure	Pages
Gentle / Fast Drying	T/ UT models Function Line, Series 6000	30 - 751 L	<i>Heraeus Heating and Drying Ovens</i>	12-13
Gentle & Low Temperature	VT Vacutherm models	25 - 128 L		15-16
Gentle Drying	T models Function Line, Series 6000	30 - 751 L		12 - 13
Fast Drying	UT models Function Line, Series 6000	52 - 689 L		12-13
Gentle Drying	T models Function Line, Series 6000	30 - 751 L		12-13
Fast Drying	UT models Function Line, Series 6000	52 - 689 L		12 - 13
Gentle Drying	T models Function Line, Series 6000	30 - 751 L		12-13
Fast Drying	UT models Function Line, Series 6000	52 - 689 L		12-13
Gentle & Low Temperature	VT Vacutherm models	25 - 128 L		15-16
Gentle & Low Temperature	VT Vacutherm models	25 - 128 L		15-16
Gentle Drying	T models Function Line, Series 6000	30 - 751 L		12-13
Fast Drying	LUT or FT model – ask your Thermo rep!	52 - 105 L		11
Gentle Heating	VT-BL models – ask your Thermo rep!	53 - 128 L		9
Highest Temperature Accuracy	TK6060 model	43 L		10
Highest Temperature Accuracy	TK6060 model	43 L		<i>Heraeus Heating and Drying Ovens</i> 10
High Temperature Accuracy	UT models Function Line, Series 6000	52 - 689 L	12-13	
Good Temperature Accuracy	T models Function Line, Series 6000	30 - 751 L	12-13	
Gentle Heating	T models Function Line, Series 6000. If burnable solvents are released: LUT or FT models – ask your Thermo rep!	30 - 751 L	<i>Heraeus Heating and Drying Ovens</i>	11-13
Gentle Heating	T models Function Line, Series 6000	30 - 751 L	<i>Heraeus Heating and Drying Ovens</i>	12-13
Gentle Heating	T models Function Line, Series 6000	30 - 751 L	<i>Heraeus Heating and Drying Ovens</i>	12-13
Fast Heat Up Time	SUT models Function line, Series 6000	52 - 689 L	<i>Heraeus</i>	6-8
	ST models Function line, Series 6000	30 - 751 L	<i>Hot Air Sterilizers</i>	6-8

Sample Requirements	Recommended Thermo Scientific Heraeus Products	Product Sizes	Thermo Scientific Reference Brochure	Pages
Temperatures between 30°and 70°C	B/UB models of Function Line, Series 6000: For covered samples and rapid temperature recovery choose UB models. For uncovered samples, avoiding evaporation choose B models.	73 - 233 L	<i>Heraeus Microbiological Incubators</i>	6-7
Temperatures between 35°and 50°C				
Temperature around 37°C				
Temperature depends on material and application between 30° and 70° C (For Tissue and Eggs:) Temperature around 37°C				
Reproduction of bacteria				
Temperature near or below ambient	BK800 / BK6160	220 / 166 L	<i>BK 800 Refrigerated Incubator and BK 6160 Testing Chamber</i>	6
Temperature at 20° C	BK 800	220 L	<i>BK 800 Refrigerated Incubator</i>	6
Temperatures between 10°and 37°C	For growth near or below ambient: BK800 or BK6160	73 - 233 L	<i>BK 800 Refrigerated Incubator and BK 6160 Testing Chamber</i>	6
	For growth around 30°C: choose B models of Function Line, series 6000		<i>Heraeus Microbiological Incubators</i>	6

Ovens, Incubators and Sterilizers



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