

Thermo Savant DNA SpeedVac Systems

High Performance DNA120, DNA120OP & DNA110

The Thermo Savant DNA SpeedVac™ Systems offer rapid and efficient concentration and drying of DNA/RNA samples. Thermo Savant offers two high performance DNA SpeedVac™ systems and the original DNA110

Product Features DNA110

- Corrosion resistant, TEFLON® coated chamber provides years of lasting service
- Built-in, oil free vacuum pump provides maintenance-free operation
- Integrated and compact design
- Extremely quiet operation
- Choice of three drying rates
- Optional swing-out rotor for 2 microtitre plates - RD2MP
- Optional post-trap assembly

Product Features DNA120

As DNA110 plus:

- Fully programmable
- Dual digital timers for independent control of heat and run times

Product Features DNA120OP

As DNA110/120 plus:

- Glass cover
- Post trap with ammonia neutralising solution

ISS110 High Capacity DNA SpeedVac System

The ISS100 is a high capacity DNA Speed Vac™ designed for efficient processing of large batches of DNA/RNA samples.

Product Features ISS110

- TEFLON coated vacuum pump
- 4-litre, -55°C refrigerated vapour trap
- Single switch controller
- VaporNet enhanced solvent recovery
- Can accommodate up to 120 x 1.5 ml microtubes

DNA110



DNA120



DNA120OP










ISS110



Thermo Savant DNA SpeedVac Systems

Ordering Information and Specifications

Model	DNA120/DNA1200P	DNA110	ISS110
Vacuum Pump Displacement	TEFLON® diaphragm pump 40 l/min @ 60Hz 32 l/min @ 50Hz	TEFLON® diaphragm pump 40 l/min @ 60Hz 32 l/min @ 50Hz	TEFLON® diaphragm pump 40 l/min @ 60Hz 32 l/min @ 50Hz
Max. Vacuum	<10 torr	<10 torr	<10 torr
Dims W x D x H mm	290 x 630 x 290	290 x 630 x 290	620 x 660 x 380
Refrigerated Trap Capacity	–	–	4 litres
Operating Temp.	–	–	-55°C
Weight lbs. (kg)	86 (39)	86 (39)	152 (69)
Power Requirements	230 VAC/50Hz, 5A	230 VAC/50Hz, 5A	230 VAC/50Hz, 6A
Max. Tube Capacity	72 x 0.5 ml	48 x 0.5 ml	120 x 1.5 ml
Rotor	RD36	RD24	RH64-11
Applications	  		  

Rotors for DNA SpeedVac



RD2MP: Rotor for microtitre plates

Rotors Available

Model	Description
RD24	Rotor for holding 24 x 1.5 ml microcentrifuge tubes
RD48	Rotor for holding 48 x 0.5 ml microcentrifuge tubes
RD36	Rotor, for holding 36 x 1.5 ml microcentrifuge tubes
RD72	Rotor, for holding 72 x 0.5 ml microcentrifuge tubes
RD2MP	Swing bucket microtitre rotor, with 2 carriers. Each carrier holds one 96-well microtitre plate

Chemical Trap Kits for the DNA SpeedVac

Various chemical trap kits are available for the DNA SpeedVac. These fit on the exhaust of the system, a carbon trap can be used for absorbing residual radioactive organic solvent vapours, or if you are drying down oligos, ammonia neutralising solution will neutralise any residual ammonia hydroxide vapours.

DC120R DC120A
Chemical trap kit

Accessories Available

Model	Description
DTK120R	Chemical trap kit, for absorbing volatile radioactives, includes activated carbon cartridge and all fittings
DC120R	Disposable chemical cartridge, for volatile radioactivity
DC120R/4	Disposable chemical cartridge, for volatile radioactivity, package of 4
ANS121/4	Ammonia neutralizing solution, package of 4 bottles

SOLVENT SYMBOLS:



= Aqueous



= Acids (<1.0M)



= Organics

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