

Nicool FREEZAL

“Freezing for Life”



Controlled
Rate
Freezer
for all
kinds of
biological
samples

Compliant to MDD 93/42/EEC

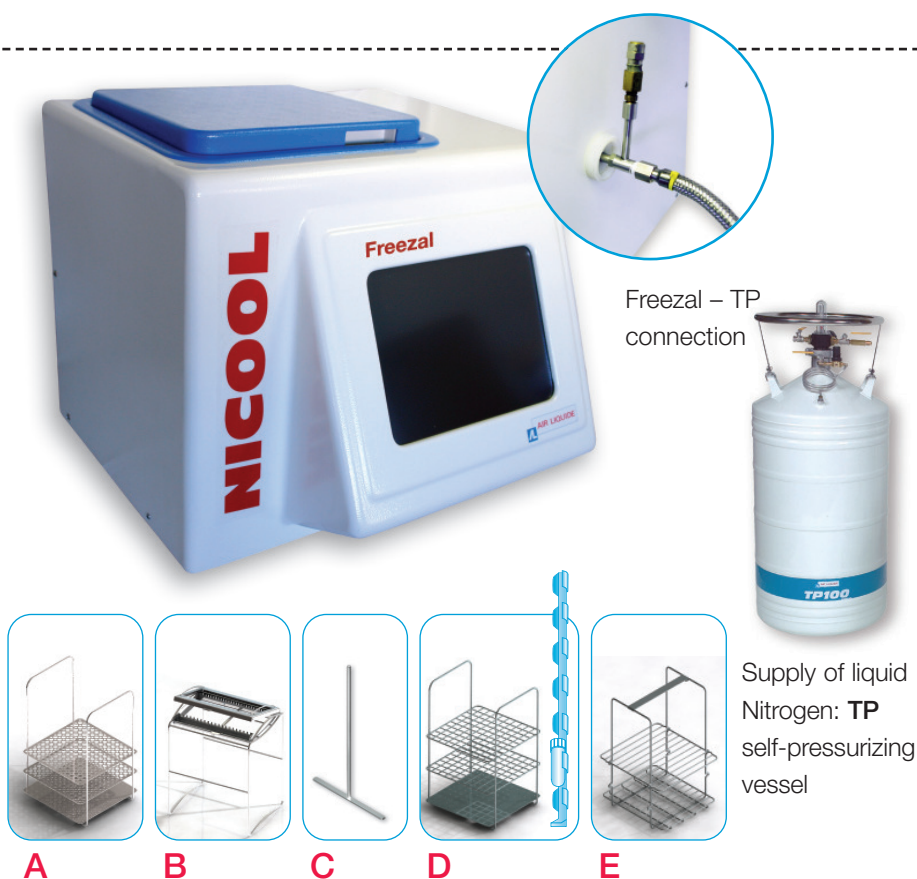
Intuitive Programming
MS Windows XP™

For Straws, Vials and Bags

Compact Freezer

Nicool FREEZAL

The Nicool FREEZAL is a programmable cryogenic freezer designed to freeze all kinds of sensitive biological samples. The FREEZAL has been designed by AIR LIQUIDE DMC's (Cryogenic Material Division) research and development team to comply to our customers expectations.



Freezal – TP connection



Supply of liquid Nitrogen: TP self-pressurizing vessel

Benefits & Key Characteristics

Easy to use – Plug N' FREEZE

- ▶ For straws, vials and bags
- ▶ Compliant to MDD 93/42/EEC & 21CFR part 11
- ▶ Easy to create and save protocols
- ▶ Print freezing graphs with USB commercial printers
- ▶ Intuitive programming (MS Windows XP™)
- ▶ Integrated **industrial** PC and **industrial** touch screen for reliability & safety
- ▶ Connection for a 2nd viewer screen for remote monitoring
- ▶ Language options: 7 languages (UK, FR, DE, SP, PT, IT and NL), others available upon request
- ▶ Seeding: manual, semi-automatic, automatic
- ▶ Data is stored in the computer
- ▶ 3 USB ports
- ▶ Compact and light system

Technical DATA

Characteristics

Freezing capacity per cycle	A: vertical rack	B: horizontal rack
≤ 0.5 ml straws (incl. CBS)	196	28
≥ 1 ml straws (incl. CBS)	169	20
D: 2 ml/5 ml vials	595/298	
E: Bags (up to 700 ml)	10 + 1 (for test sample)	
Electricity consumption	W	800
Electricity supply	V/Hz	220/50
Measurement accuracy	°C	± 0.1
Dimensions of freezing chamber		
L x W x H	mm	210 x 210 x 320
Temperature range	°C	40 to -180
Cooling speed	°C/min	0.1 to 25
External Dimensions		
L x W x H	mm	534 x 536 x 467
Weight	kg	30

The FREEZAL Solution

Reference	Description
FREEZAL-1	Nicool Freezal (220 V) Chamber + integrated PC + software
A: ACC-FREEZAL-4	Vertical rack for straws
B: ACC-FREEZAL-3	Horizontal rack for straws
C: ACC-FREEZAL-5	Manual seeding device
D: ACC-FREEZAL-2	Rack for vials (2ml/5 ml)
ACC-BOXTUBE-411	Set of 10 vial holder
E: ACC-FREEZAL-1	Rack for bags (up to 700 ml)

