

AI Series

Our TORO and AI21 cryogenic refrigerators, designed specifically for animal insemination, offer greater capacity, maximum hold times and durability for rugged conditions.

- Built to last—lightweight ribbed aluminum exterior construction and magneformed joints for maximum structural integrity
- Reliable—designed and constructed to stringent specifications and the highest quality requirements
- Ready—samples can be easily retrieved and stored for an extended period of time

The new AI Shield™ provides a solution for protecting frozen bull semen from adverse temperature fluctuations common in removing the canister from cryogenic refrigerators.

- Improved sample viability
- Higher conception rates
- Increased productivity



MODELS		AI21	TORO
Static Holding Time Days		221	253
Working Time Days		138	158
Evaporation Rate	liters/days	0.095	0.095
Liquid Nitrogen Capacity	liters	21	24
Weight Empty	lbs.(kg.)	26 (11.8)	26.2 (11.9)
Weight Full	lbs.(kg.)	63.4 (28.8)	69 (31.3)
Neck Diameter	in.(mm.)	2.18 (55.4)	2.18 (55.4)
Overall Height	in.(mm.)	25.8 (655)	25.8 (655)
Overall Diameter	in.(mm.)	15.6 (396)	15.6 (396)
Number of Canisters		6	6
Canister Dimensions	in.(mm.)	1.65x11 (41.9x279)	1.65x11 (41.9x279)
Number of 1.2 ml & 2.0 ml vials (5/cane)		210	210
Number of 1/2 cc straws - (10 per cane)		720	720
Number of 1/2 cc straws - Bulk (1 level)		1122	1122

ACCESSORIES		
Roller Base	R018-8C00W	R018-8C00W
Low Liquid Level Alarm	R033-8C15	R033-8C15

MODELS	AIS3	AIS1.5
Capacity (Ltrs.)	3.5	1.5
Empty Weight (Kgs.)	3	1.8
Full Weight (Kgs.)	6	3
Neck Diameter (mm)	51	32
Outer Diameter (mm)	220	175
Total Height (mm)	460	375
Static Evaporation Loss Rate (Ltrs/day)	0.14	0.12
Static Holding Time (Days)	25	13
Canister Diameter (mm)	39	22
Canister Height (mm)	125	127
Number of Canisters	6	3
Straw Holding Capacity Single Level (0.5ml/0.25ml)	94/212	12/27
Straw Holding Capacity Double Level (0.5ml/0.25ml)	N/A	N/A

AI SHIELD™
Innovative Thermal Protection



**Protect Your Investment.
Reduce AI Failure.**

WorthingtonIndustries.com/AIShield

