

Osmometer 3000 Series 삼투압 측정기

Cat. No.	Model	Description	EA Price ₩
004-78-101	3000 Basic	기본형, Communication 기능 및 Option 장착 불가	
004-78-105	3000 Standard	Communication, No Printer	
004-78-109	3000 D	내장프린터	

- Freezing Point (빙점 방식) Osmometer
 - 검체를 순간적으로 얼려 그 어는점을 분석하여 측정하는 방식
 - 수용액의 삼투도는 총 순 수의 응고점과 용액의 빙점을 비교 측정하여 결정함 (물의 빙점은 0 °C, 염분 농도 1 Osmol/kg 인 용액의 빙점은 -1.858°C)
- Determines The Total Osmolality of Aqueous Solutions
- The instrument requires very small sample volumes
- Its rapidity allows serial measurements in a very short time

Application

- General medicine
- Electron microscopy
- Intensive care laboratories
- In-vitro Fertilization
- Haemodialysis/Haemofiltration
- Pharmacy
- Routine and research
- Physiology
- Paediatrics
- Urology
- Veterinary medicine
- Dispensaries
- Forensic medicine
- Clinical laboratories
- Gynaecology
- Nephrology
- Botany

Feature

- 2 or 3 point calibration
- Automatic calibration by using Gonotec calibration standards



Cat. No.	004-78-101	004-78-105	004-78-109
Model	3000 Basic	3000 Standard	3000 D
Display	5.7" LCD - Touch Screen		
Cryst. Process	By means of the tip of a stainless steel needle covered with ice crystals which is controlled automatically		
Cooling	By means of two separate peltier cooling systems with heat dissipation by air		
Lower Cooling System	Electronic temperature regulation, deviation $\lt; \pm 0.1^\circ\text{C}$		
Test Time	60 Seconds		
Sample Volume	50 μl (Single Sample)		
Resoluion	1 mOsmol/kg		
Range	0 up to 3000 mOsmol/kg		
Reproducibility	$\leq \pm 2$ digit [0.. 400] mOsmol/kg $\leq \pm 0.5\%$ [400.. 1500] mOsmol/kg $\leq \pm 1.0\%$ [1500.. 3000] mOsmol/kg		
Linearity	Less than $\pm 1\%$ in calibrated range		
Output Port	X	DTE RS232, USB	
Ambient Temp.	10°C to 35°C		
Power supply	100-240 V, 50/60 Hz, 80 VA		
Dimension	w205 x d220 x h360 mm		
Weight	Approx. 6.4kg		
Printer	불가		내장

Standard Solution

Cat. No.	Model	삼투압 농도 (mOsmol/kg)	Ampul	EA Price ₩
004-78-955	30.9.0100	100	10 ampul	102,000
004-78-959	30.9.0290	290		102,000
004-78-963	30.9.0020	300		89,000
004-78-967	30.9.0500	500		102,000
004-78-971	30.9.0850	850		112,000
004-78-975	30.9.2000	2000		112,000

Accessory

Cat. No.	Model	Description	EA Price ₩	
004-78-911	32.02	Micro Sample Volume 15 μl		
004-78-915	32.03	Barcode Reader	1ea	1,100,000
004-78-990	30.9.0010	Measuring Vessels for Osmomat 3000	1000ea	239,000
004-78-993	30.9.1020	Ink ribbon cassette (gonotec)	1ea	45,000
004-78-995	30.9.1010	Printer Paper	8ea	99,000
004-78-999	35.9.1030	Cleaning Paper	1ea	121,000

- Sample Volume 15ul (32.02)
Reproducibility : $\leq \pm 2.0\%$ [0 3000] mOsmol/kg