

How to Select the Appropriate Osmometer - Clinical

It's easy to select the best osmometer for your laboratory needs

There are a variety of factors that go into choosing the right osmometer including the number of samples tested daily and the required level of automation. No matter which instrument you choose, all Advanced Instruments Osmometers utilize **Freezing Point Technology** which is considered the "Gold Standard" osmolality determination method.

All models support
HIPAA, CAP & CLIA
compliance



Clinical Laboratories: **A₂O[®] Advanced Automated Osmometer** **OsmoPRO[®] Multi-Sample Micro-Osmometer** **Osmo1[®] Single-Sample Micro-Osmometer**

Workflow Features			
Best for labs with daily sample processing needs of	>10/day	>10/day	1-10/day
Sample volume	100 µL	20 µL	20 µL
Sample introduction	Automated liquid handling	Sample cup	One-step direct sampling
Operating range (mOsm/kg H ₂ O)	0-4,000	0-2,000	0-2,000
Test time (seconds)	180	90	90
Compliance Support Features			
Supports CAP & CLIA compliance	●	●	●
Supports HIPAA compliance	●	●	●
Instrument Features			
Integrated barcode scanner	●	●	●
On-board printer	●	●	●
Multi-language, touchscreen display	●	●	●
Username & password capability	●	●	●
Multi-sample capacity	●	●	
Automated cleaning between samples	●	●	
Automated sample pipetting	●		
Temperature control method	Dry cooling (No heat-transfer fluid)	Dry cooling (No heat-transfer fluid)	Dry cooling (No heat-transfer fluid)
Data Management Features			
TCP/IP	●	●	●
USB	●	●	●
Part #	A2O	OsmoPRO	Osmo1