

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.



Osmometer - Clinical:	A ₂ O [®] Advanced Automated Osmometer	OsmoPRO [®] Multi-Sample Micro-Osmometer	Osmo1 [®] Single-Sample Micro-Osmometer
Supports CAP & CLIA compliance	✓	✓	✓
Supports HIPAA compliance	✓	✓	✓
Integrated barcode scanner	✓	✓	✓
Onboard printer	✓	✓	✓
Multi-language, touchscreen display	✓	✓	✓
Username & password capability	✓	✓	✓
Multi-sample capacity	✓	✓	
Automated cleaning between samples	✓	✓	
Automated sample pipetting	✓		
Number of samples tested daily	10 or more samples/day	10 or more samples/day	Fewer than 10 samples/day
Sample size	100 µL	20 µL	20 µL
Sample introduction	Automated liquid handling sample cup	Sample cup	One-step direct sampling
Operating range	0-4000 mOsm/kg H ₂ O	0-2000 mOsm/kg H ₂ O	0-2000 mOsm/kg H ₂ O
Test time	180 seconds	90 seconds	90 seconds
Temperature control method	Dry cooling (No heat-transfer fluid)	Dry cooling (No heat-transfer fluid)	Dry cooling (No heat-transfer fluid)
Data management	TCP/IP, USB	TCP/IP, USB	TCP/IP, USB
Part #	A2O	OsmoPRO	OSMO1