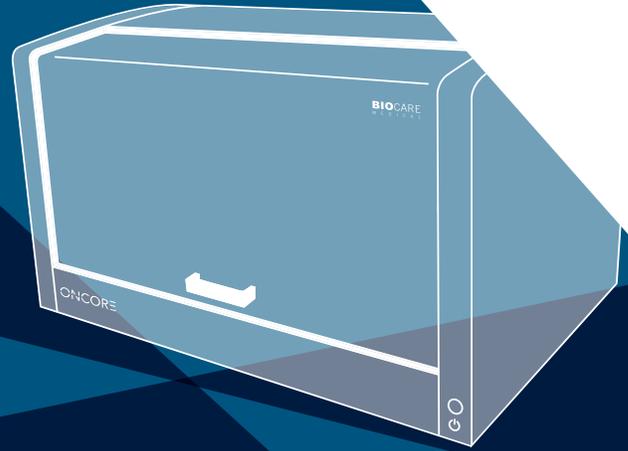
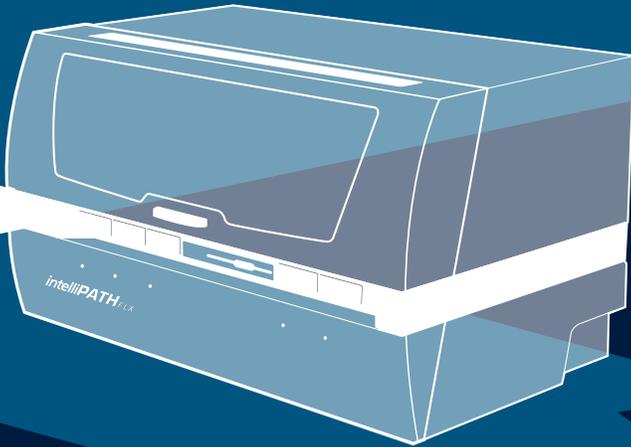


Instrumentation Line

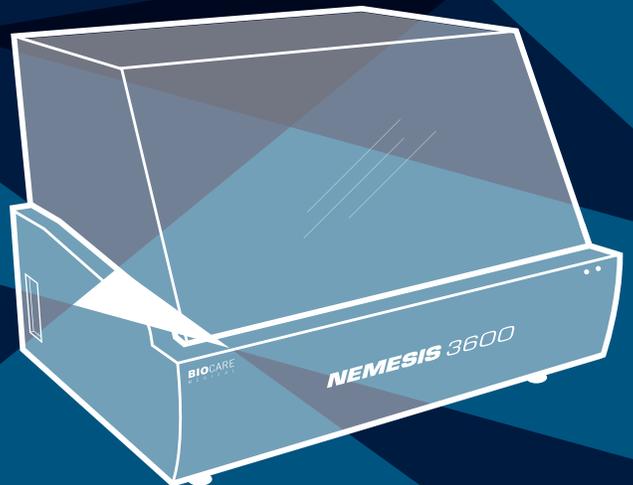
ONCORE



intelliPATH™



NEMESIS



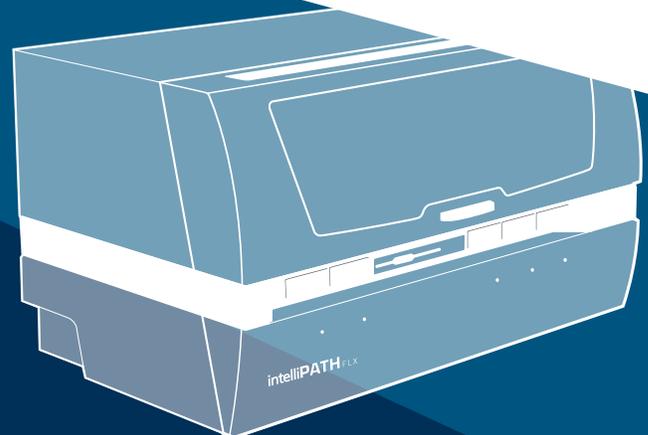
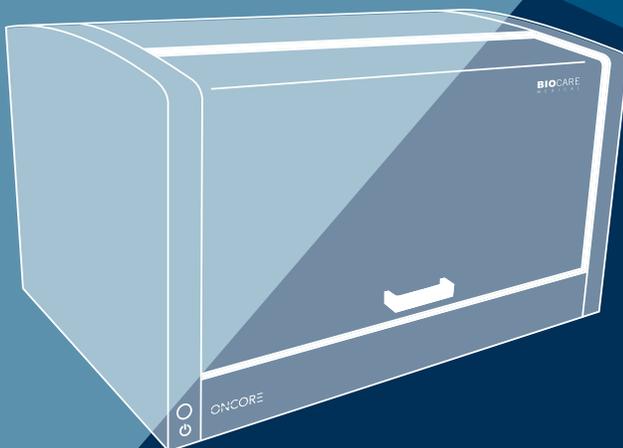
iQ **KINETIC**
— SLIDE STAINER



ONCORE *intelliPATH™*

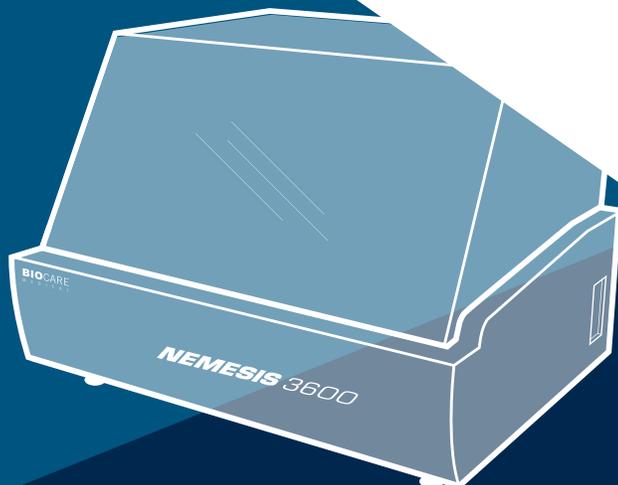
The ONCORE Automated Slide Stainer is a compact and convenient bench-top instrument that is capable of performing both IHC and ISH procedures on FFPE tissues. The on-board capabilities include baking, deparaffinization, antigen retrieval and antibody or probe detection for IHC, ISH and Multiplex IHC applications. Independent positioning of slides allows separate protocols to be processed simultaneously during a run. The 7 ml Improv™ vials enable the use of primary antibodies from alternate vendors. A heated platform offers kinetic incubations and gentle chamber agitation maximizes staining intensity and minimizes background. Intelligent reagent tracking is provided by reagent vial RFID tags storing vital information.

The intelliPATH offers true continuous random access, the ability to run up to 5 simultaneous and independent batches and prioritized STAT capability – delivering maximum flexibility to meet the needs of any laboratory. A suite of high performance technologies including simultaneous Multiplex IHC capability, no-touch ultrasonic liquid level sensing and simultaneous X and Y movement provide the most rapid turnaround time and sheer volume of IHC results available. On-board chromogen mixing and built-in reminder notifications to add bulk reagent and to empty waste deliver convenient walk-away automation. Whether your workflow involves running large slide batches, discrete small batches, or a combination of batch and STAT slides, the intelliPATH delivers the right solution with an innovative slide staining system, optimized reagents and award-winning technical support for a variety of applications.



NEMESIS

The Nemesis offers more flexibility, greater speed and reduced cost compared to other semi-automated systems. It gives the user flexibility to pick the reagents of choice to optimize staining quality. Each of the slides can be programmed individually or all identically. The specific order of reagent application can be determined by the user. The advanced 2D matrix system allows reagent tracking, slide tracking and gives the user a choice of detailed reports, while reducing the possibility of errors. Open or 2D matrix barcoding operating formats are available.



iQ KINETIC SLIDE STAINER™

The IQ Kinetic Slide Stainer offers the flexibility and reliable performance that both clinical and research investigators need for *in situ* hybridization, immunohistochemistry, immunofluorescence, or special stains. This compact, modular open staining platform minimizes manual slide handling while providing throughput of up to 36 slides. Slide racks can be tilted at a 45-degree angle, eliminating individual slide handling and preventing cross-contamination. The excess reagents conveniently drain into the waste basin. The digital programmable Hot Bar™ enables users to program the temperature up to 95 °C. The optional Orbital Shaker provides smooth agitation action for reagents on slides. The combination of heat and agitation allows tissues to be evenly and optimally stained while accelerating enzymatic reactions and increasing probe or antibody binding specificity.



Decloaking Chamber™ NxGen

An excellent companion to Biocare's manual and semi-automated stainers, the Decloaking Chamber NxGen has been designed for easy heat-induced epitope retrieval (HIER). It has 5 discrete temperature settings ranging between 60 °C and 110 °C with user programmable times. The 110 °C antigen retrieval protocol can be completed from start to finish in under an hour. With a 72 slide capacity and only minutes of hands-on time per run, the NxGen offers walk-away capability. The NxGen is designed to optimize and standardize antibody staining procedures and has been engineered to pass strict laboratory safety and quality control requirements. Temperature, pressure and time can be monitored and recorded with the Decloaking Chamber NxGen to produce consistent staining.



Instrument Comparison Table

System Name	ONCORE	intelliPATH	Nemesis 3600 / 7200	IQ 1000 / 2000 / 3000
Staining	Automated	Semi-Automated	Semi-Automated	Manual
Slide Capacity	36	50	36 / 84	12 / 24 / 36
Onboard Reagent Vial Capacity	40	48 (+2 in cold spot)	40 / 84	NA
Reagent Vial Volumes	7mL, 15mL	20mL	12mL	NA
Dispense Volume	200uL	300uL	100, 150, 200, 400, 600 mL	User defined
System Type	Benchtop	Benchtop	Benchtop	Benchtop
Slide Loading Format	Matrix Array	Matrix Array	Matrix Array	Linear Array
Slide Management System	36 Independent slide modules	5 trays 10 slides per tray	3 or 4 racks of 12 for 3600 6 or 7 racks of 12 for 7200	1 to 3 racks 12 slides per rack
Reagent Application Method	Rinsed probe	Rinsed probe	Rinsed probe	Manual
Adjustable Dispense Volume	✗	✓	✓	NA
Onboard Deparaffinization	✓	✗	✗	✗
Onboard HIER	✓	✗	✗	✗
Slide Recognition	Matrix/ Barcode	Matrix/ Barcode	2D matrix barcoding	NA
Reagent Vial Recognition	RFID Tags	Matrix/ Barcode	Open 2D matrix coding	NA
Accepts Other Vendor Reagents	Ab's or ISH probes only	✓	✓	✓
Continuous Access	✗	✓	✓	✓
Any Protocol, Any Position	✓	✓	✓	✓
Reagent Chilling Capability	✗	2 vials at 4°C	✗	✗
Slide Heating Capability	RT to 103°C	✗	✗	20°C to 95°C
Sequential Multiplex	✗	✓	✓	✓
Simultaneous Multiplex	✓	✓	✓	✓
Reagent Mixing Capability	Limited	✓	✗	NA
Two Wash Buffers	✗	✓	✗	NA
Waste Separation	✓	✓	✓	✗
Reagent Retention	✓	✗	✗	NA
Multi-unit Control	✗	4	4	NA
LIS-Interface Capability	Inquire	✓	✗	✗