

**BIOCARE**  
M E D I C A L

**ONCORE** PRO™

Fully Automated Slide Stainer



ONCORE

[www.biocare.net](http://www.biocare.net)

Complete Benchtop IHC & ISH Automation

## Complete Benchtop IHC Automation



### Pro Performance For Your Laboratory

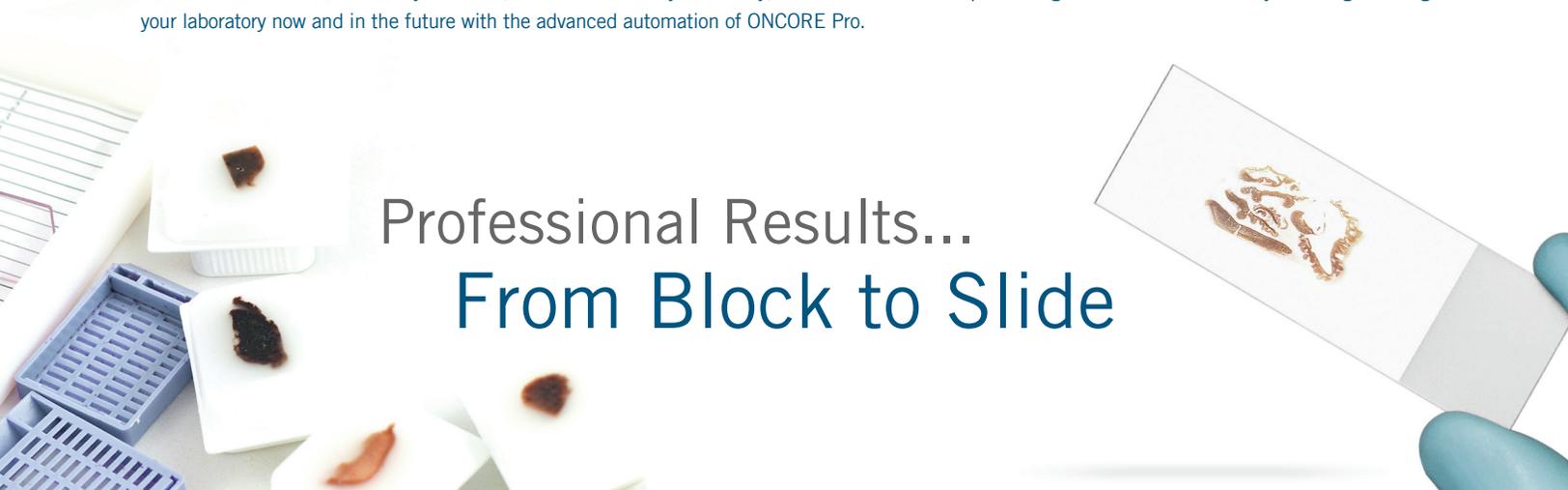
- ▶ Fully Automated IHC Staining
- ▶ Compact Footprint
- ▶ Conserve Reagent with 140uL Antibody Dispense Volume
- ▶ High-throughput 36 Slide Capacity
- ▶ Ready-to-Use Multiplex IHC Capability
- ▶ Waste Separation for Reduced Disposal Costs

The in vitro diagnostic (IVD) labeled ONCORE Pro Automated Slide Staining System is a compact powerhouse for any clinical laboratory. ONCORE Pro opens a world of possibilities to perform IHC, ISH, FISH, and CISH in a single compact benchtop platform. The ONCORE Pro processes up to 36 slides in a single run, with the ability to perform independent protocols at each slide position for high-throughput slide processing.

Slide processing is facilitated by unique reaction modules that enclose slides between a heated platform and a novel reagent containment chamber. Reagents are dispensed onto slides through a port attached to each chamber, allowing for minimal reagent usage and waste production. These unique chambers provide gentle agitation to enhance incubation throughout the staining procedure, maximizing staining intensity while minimizing background. The ONCORE Pro also accommodates simultaneous Multiplex IHC, allowing fast and efficient processing of multiple IHC markers on a single slide.

ONCORE Pro fully automates the staining process utilizing advanced online antigen retrieval technology, pre-optimized reagents, and ready to use antibodies to enhance laboratory workflow, increase laboratory efficiency, and reduce hands-on processing time. Solve modern-day challenges facing your laboratory now and in the future with the advanced automation of ONCORE Pro.

Professional Results...  
From Block to Slide



# Fully Automated IHC & ISH



*ONCORE Pro expands the possibilities of your laboratory with the capability to perform IHC and ISH (both FISH and CISH) in a single benchtop platform.*

## Complete Automation

The ONCORE Pro Automated Slide Staining System is a compact and convenient bench-top instrument that is capable of performing immunohistochemistry (IHC) and *in-situ* hybridization (ISH) procedures on formalin-fixed paraffin-embedded (FFPE) tissues. The on-board capabilities include slide baking, deparaffinization, antigen retrieval, and antibody or probe detection for IHC, Multiplex IHC and ISH applications.

- ▶ **Fully Automated Online Antigen Retrieval (HIER)**
- ▶ **Ready to Use Single and Multiplex IHC Staining Protocols**
- ▶ **Conserve Bench Space with Compact Footprint**

## Innovative Technologies

The ONCORE Pro utilizes unique reaction modules that enclose slides between a heated platform and a reagent containment chamber. These chambers provide gentle agitation during reagent incubation to maximize stain intensity. Reagent vials are identified using RFID technology which stores vital information including name, lot number, expiration date, and the number of tests minimizing user error through real-time tracking of reagent volumes.

- ▶ **Kinetic Incubation to Maximize Staining Intensity**
- ▶ **RFID Reagent Tracking Technology**
- ▶ **Individual Reagent Chambers Minimize Reagent Use & Evaporation**

## Convenient & Easy to Use

The ONCORE Pro contains multiple features for added convenience, flexibility, and ease of use. The system's software interface is intuitive and easy to use, requiring minimal user interaction from the beginning-to-end of a run. The ONCORE Pro also utilizes 2-D Matrix labels that can be printed for patient slides, significantly reducing patient identification errors. Independent slide positions allow for unique protocols to be performed on individual slides during a run.

- ▶ **Intuitive Software for Ease of Use & Protocol Programming**
- ▶ **2-D Matrix Labels Virtually Eliminate Patient ID Errors**
- ▶ **Waste Separation Reduces Hazardous Waste & Disposal Costs**

## Ready to Use Reagents

IHC reagents and antibodies specifically designed for the ONCORE Pro provide exceptional staining quality as well as the ability to use primary antibodies from alternate vendors. The ONCORE Pro antibody menu is built to serve a wide variety of laboratories and tissue types, making it an ideal solution for clinical applications. Multiplex IHC capability and Multiplex detections for the ONCORE Pro conserves patient tissue, reduces slide volume, and can lower labor costs by 50%.

- ▶ **Pre-optimized ONCORE Pro IHC Reagent Line**
- ▶ **User-fillable Vials for Third Party Primary Antibodies**
- ▶ **Simultaneous Multiplex IHC Capability**

# System Specifications

Slide Capacity	36 slides
Reagent Rack	One reagent rack holds a maximum of 40 reagent vials
Antigen Retrieval Temperature Range	Room temperature to 103°C; Max 110°C at Sea Level
Multi-Dispensing Syringe Capacity	5mL
Dispense Volume	Antibody: 140uL; Reagent: 65 minimum - 400 µl maximum
DePar Dispense Volume	DS1 - 260uL and DS2 - 215uL
Carboys & Waste	Wash Buffer (2L), Hazardous (4L) and Non-Hazardous Waste (4L)
Unit Control	One Instrument Per Computer
Instrument Weight	125lbs (57 kgs)
Instrument Dimensions	36.5 in x 22 in x 24 in / 93 cm x 56 cm x 61 cm (Door Closed) 36.5 in x 36 in x 24 in / 93 cm x 91 cm x 61 cm (Door Open)
Electrical Requirements	120V 110/120V (±10%) 60Hz (±2Hz) 850 watts 220V 220/240V (±10%) 50Hz (±2Hz) 850 watts
Voltage Tolerance	100 to 240 AC
Noise Rating	Minimum Operating Noise 47.0 dBA, Minimum Operating Noise 69.6 dBA
Reports	Slide Barcode, Patient Information, Staining Runs
LIS	HL7 Server Connection and MSSQL Database Connection

## Ordering Information

<b>Oncore Pro Instrument</b>	<b>Cat. No.</b>	<b>Volume</b>
ONCORE Pro Automated Slide Staining Platform	ONCPR00001	N/A
<b>Oncore Pro Detection</b>	<b>Cat. No.</b>	<b>Volume</b>
ONCORE Pro Mouse HRP Detection (DAB)	OPRI6007T60	60 Tests
ONCORE Pro Mouse AMP HRP Detection (DAB)	OPRI6050T60	60 Tests
ONCORE Pro Rabbit HRP Detection (DAB)	OPRI6008T60	60 Tests
ONCORE Pro Mouse AP Detection (Fast Red)	OPRI6044T60	60 Tests
ONCORE Pro Rabbit AP Detection (Fast Red)	OPRI6043T60	60 Tests
ONCORE Pro Multiplex Detection 1	OPRI6061T60	60 Tests
ONCORE Pro Multiplex Detection 2	OPRI6045T60	60 Tests
ONCORE Pro DAB Chromogen	OPRI6056K	180 Tests
ONCORE Pro Fast Red Chromogen	OPRI6042K	60 Tests
<b>Oncore Pro Ancillaries</b>	<b>Cat. No.</b>	<b>Volume</b>
ONCORE Pro Universal Negative Control Serum	OPRI6013	60 Tests
CAT Hematoxylin	CATHE-M	500 ml
ONCORE Pro Dewax Solution Kit	OPRI6004K	60 Tests
ONCORE Pro Wash Buffer	OPRI6012	1,000 ml
ONCORE Pro Slide Labels (2500)	IPS60040	2,500
<b>Oncore Pro Cleaning</b>	<b>Cat. No.</b>	<b>Volume</b>
ONCORE Pro Chamber Cleaning Kit	OPRI6031K	Approx. 288 Slides
ONCORE Pro Tubing Cleaning Kit	OPRI6036K	Approx. 500 Slides