

# Instrumentation

# ONCORE<sup>TM</sup> PRO

RELIABLE. AUTOMATED. COMPACT.

Complete Benchtop IHC & ISH Automation

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

The ONCOREPro Automated Slide Staining System now performs fully automated ISH so you can run your FISH probes and CISH probes with full automation and the convenience of a compact bench-top system.

# ONCORE<sup>™</sup> PRO

## Complete Benchtop IHC Automation

The in vitro diagnostic (IVD) labeled ONCOREPro Automated Slide Staining System is a compact powerhouse for any clinical laboratory. ONCOREPro 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 ONCOREPro also accommodates simultaneous Multiplex IHC, allowing fast and efficient processing of multiple IHC markers on a single slide.

ONCOREPro 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 ONCOREPro.

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### Instrument Specifications

Slide Capacity	36 slides
Reagent Rack	One reagent rack holds a maximum of 40 reagent vials
AR Temperature Range	Room temperature to 103°C; Max 110°C at Sea Level
Multi-Dispensing Syringe Capacity	5mL
Dispense Volume	Antibody: 130uL; Reagent: 65 minimum - 400 µl maximum
DePar Dispense Volume	DS1 - 240uL and DS2 - 200uL
Carboys & Waste	Wash Buffer (2L), Hazardous (4L), Non-Hazardous Waste (4L)
Unit Control	One Instrument Per Computer
Instrument Weight	125lbs (57 kgs)
Instrument Dimensions	36.5" x 22 in x 24 in / 93 cm x 56 cm x 61 cm (DoorClosed) 36.5 in x 36 in x 24 in / 93 cm x 91 cm x 61 cm (DoorOpen)
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 Noise 47.0 dBA, Maximum Noise 69.6 dBA
Reports	Slide Barcode, Patient Information, Staining Runs
LIS	HL7 Server Connection and MSSQL Database Connection

Ordering Information	Catalog Number
ONCOREPro Automated Slide Staining Platform	ONCPRO0001

# ONCORE Reagents & Ancillaries

ONCORE Pro Detection	Catalog Number	Volume
ONCORE Pro Universal HRP Detection	OPRI6062T60	60 Tests
ONCORE Pro Rabbit HRP Detection (DAB)	OPRI6008T60	60 Tests
ONCORE Pro Rabbit AP Detection (Fast Red)	OPRI6043T60	60 Tests
ONCORE Pro Multiplex Detection 2	OPRI6045T60	60 Tests
ONCORE Pro Multiplex Detection 1	OPRI6061T60	60 Tests
ONCORE Pro Mouse HRP Detection (DAB)	OPRI6007T60	60 Tests
ONCORE Pro Mouse AP Detection (Fast Red)	OPRI6044T60	60 Tests
ONCORE Pro Mouse AMP HRP Detection (DAB)	OPRI6050T60	60 Tests
ONCORE Pro ISH HRP Detection	OPRI6047KT60	60 Tests
ONCORE Pro Fast Red Chromogen	OPRI6042KT60	60 Tests
ONCORE Pro DAB Chromogen	OPRI6056KT180	180 Tests
ONCORE Pro Ancillaries	Catalog Number	Volume
ONCORE Pro Wash Buffer	OPRI6012MM	1,000 ml
ONCORE Pro Universal Negative Control Serum	OPRI6013T60	60 Tests
ONCORE Pro Slide Labels (2500)	IPS60040	2,500
ONCORE Pro Slide Labels	ONC172	1000 slide labels
ONCORE Pro Label Printer Ribbon	ONC173	3000 slide labels
ONCORE Pro Improv Reagent Vials (7mL)	ONCPR101JJ/L	50 or 100 vials
ONCORE Pro Improv Reagent Vials (15mL)	ONCPR102JJ/L	50 or 100 vials
ONCORE Pro Dewax Solution Kit	OPRI6004K	60 Tests
ONCORE Pro AR2	OPRI6006T60	60 Tests
ONCORE Pro AR1	OPRI6005T60	60 Tests
CAT Hematoxylin	CATHE-M	500 ml
ONCORE Pro Cleaning	Catalog Number	Volume
ONCORE Pro Chamber Cleaning Kit	OPRI6031K	Approx. 288 Slides
ONCORE Pro Tubing Cleaning Kit	OPRI6036K	Approx. 500 Slides

# ONCORE<sup>™</sup> PRO Antibodies

Product Name	Catalog Number
AMACR (RM)	OPAA3024T60
ATRX	OPAI3251T60
Bcl-2	OPAI003T60
Bcl-6 [LN22]	OPAI410T60
Ber-EP4	OPAI107T60
Breast Cocktail (CKHMW/p63 + CK7/8/18)	OPAI3203T60
c-erbB-2/HER2	OPAA342T60
c-Myc	OPAI415T60
Calretinin	OPAI092T60
CD10	OPAI129T60
CD117/c-kit	OPAI296T60
CD20 [L26]	OPAI004T60
CD25 [RM418]	OPAI3265T60
CD3	OPAI324T60
CD3 [BC33]	OPAI3170T60
CD3 T-Cell	OPAI110T60
CD34	OPAI084T60
CD68 [KP1]	OPAI033T60
CD8 [C8/144B]	OPAI3160T60
CD99	OPAI392T60
CDX2	OPAI226T60
Chromogranin A	OPAI010T60
CK HMW + p63 + AMACR(RM)	OPAI3154T60
CK5/14 + p63 + CK7/18	OPAI360T60

Product Name	Catalog Number
CK5/14 + p63 + P504S	OPAI225DST60
CK5+p63	OPAI235T60
Cyclin D1	OPAI432T60
Cyclin D1 Rabbit	OPAI307T60
Cytokeratin 18 (CK18)	OPAI3061T60
Cytokeratin 20 (CK20)	OPAI062T60
Cytokeratin 5/6	OPAI105T60
Cytokeratin 7 (CK7)	OPAI061T60
Cytokeratin HMW [34BE12]	OPAI127T60
Cytokeratin LMW [8/18]	OPAI056T60
Cytomegalovirus (CMV)	OPAA118T60
D2-40	OPAI266T60
E-cadherin	OPAI170T60
ERG	OPAI421T60
Estrogen Receptor (ER)[1D5]	OPAA054T60
Estrogen Receptor (ER)[SP1]	OPAA301T60
Factor XIIIa	OPAI357T60
GATA-3	OPAI405T60
Glucagon	OPAI3276T60
Glycophorin A [JC159]	OPAI3272T60
H3K27ME3 [C36B11]	OPAI3249T60
Helicobacter pylori	OPAI383T60
HLA-DR [TAL 185]	OPAI3273T60
HMB45	OPAI057T60

# ONCORE<sup>TM</sup> PRO Antibodies

Product Name	Catalog Number
HMB45 + MART-1 + Tyrosinase	OPAI165T60
HMW CK Cocktail + p63 (Basal Cell Cocktail)	OPAI210T60
Ki-67	OPAI325T60
Ki-67 [MIB-1]	OPAI3156T60
Leukocyte Common Antigen (LCA) Cocktail	OPAI016T60
MART-1 Cocktail	OPAI077T60
MCM2 + TOP2A	OPAI3181T60
MHL-1	OPAI220T60
MOC-31	OPAI403T60
MSH2	OPAI219T60
MSH6	OPAI265T60
MUM-1	OPAI352T60
Napsin A	OPAI388T60
NKX3.1	OPAI422T60
NKX3.1 [D2Y1A]	OPAI3260T60
NPM1	OPAI3281T60
p16 INK4a [BC42]	OPAI3231T60
p40 (M)	OPAI3066T60
p40 (P)	OPAI3030T60
P504S (P)	OPAA200T60
p53	OPAI298T60
p63	OPAI163T60
Pan Cytokeratin [AE1/AE3]	OPAI011T60
Pan Cytokeratin Plus [AE1/AE3 + 8/18]	OPAI162T60

Product Name	Catalog Number
Pan Melanoma + Ki-67	OPAI362T60
PAN TRK [RM423]	OPAI3267T60
PAX5	OPAI207T60
PAX8	OPAI379T60
PAX8 (M)	OPAI438T60
PD-L1	OPAI3171T60
PMS2	OPAI344T60
PRAME[EPR20330]	OPAI3252T60
Prostate Specific Antigen (PSA)	OPAI390T60
PSAP [rACPP/1338]	OPAI3263T60
PTEN (Tumor Suppressor)	OPAI278T60
S100 Protein [4C4.9]	OPAI3237T60
Smooth Muscle Action (SMA)	OPAI001T60
SOX10 (M)	OPAI3099T60
STAG1	OPAI3250T60
STAT6 [YE361]	OPAI3244T60
Synaptophysin	OPAI371T60
TIA-1	OPAI130T60
TRBC1	OPAI3280T60
Treponema pallidum (Spirochete)	OPAA135T60
TTF-1 [SPT24]	OPAI3126T60
Uroplakin II	OPAI3051T60

# ONCORE<sup>™</sup> PRO FISH

Dive into insitu hybridization (ISH) with Biocare's new automated FISH probes for ONCOREPro. Biocare's sequence-specific probes offer superior labeling technology and are available for several cancer and disease states—yielding precise results with less ambiguity. Biocare's del-TECT<sup>™</sup> probe design virtually eliminates error due to the truncation artifact in FFPE tissues giving you more confidence in less time. ONCOREPro gives you the power to automate both your IHC and FISH applications on a single instrument in a single lab. Immediately transition from running IHC to FISH using our automated PathoFISH and CytoFISH kits. Use PathoFISH on FFPE tissues and CytoFISH for urine-based samples. Run times for FISH can be completed in as little as 3.5 hours, making FISH accessible to every laboratory.

## FISH Probes

Product Name	Probe Type	Catalog Number
PTEN del-TECT Four Color	PathoFISH	OPPR7326 T30
TMPRSS2 /ERG del-TECT Four Color	PathoFISH	OPPR7327 T30
ALK/EML del-TECT Four Color	PathoFISH	OPPR7328 T30
NKX/MYC del-TECT Four Color	PathoFISH	OPPR7329 T30
PTEN/ERG2+2 Multiplex Four Color	PathoFISH	OPPR7331 T30
ROS1 (6q22) Break Apart Orange/Green	PathoFISH	OPPR7332 T30
ALK (2p23.2) Break Apart Orange/Green	PathoFISH	OPPR7333 T30
RET (10q11.21) Break Apart Orange/Green	PathoFISH	OPPR7334 T30
TP53 (17p13) Orange + Copy Control 17 Green	PathoFISH	OPPR7339 T30
IGH (14q32) Break Apart Orange/Green	PathoFISH	OPPR7340 T30
MET (7q31) Orange + Copy Control 7 Green	PathoFISH	OPPR7341 T30
MYC (8q24) Orange + Copy Control 8 Green	PathoFISH	OPPR7342 T30
MLL Break Apart Orange/Green	PathoFISH	OPPR7343 T30
CytoFISH Multiplex FISH Probe	CytoFISH	OPPR7344 T30

## FISH Kits & Ancillaries

Product Name	Product Type	Catalog Number
ONCOREPro FISH Kit	PathoFISH Reagents	OPRR6064K T60
ONCOREPro CytoFISH Kit	CytoFISH Reagents	OPRR6068K T60
ONCOREPro ISH Dewax Kit	FISH Reagent	OPRI6020K T60

## ISH Probes

Product Name	Probe Type	Catalog Number
HPV Type 6 Probe (Digoxigenin)	HPV Probe	BPR 4045 T60
HPV Type 11 Probe (Digoxigenin)	HPV Probe	BPR 4046 T60
HPV Type 16 Probe (Digoxigenin)	HPV Probe	BPR 4047 T60
HPV Type 18 Probe (Digoxigenin)	HPV Probe	BPR 4048 T60
HPV Type 31 Probe (Digoxigenin)	HPV Probe	BPR 4051 T60
HPV Type 51 Probe (Digoxigenin)	HPV Probe	BPR 4052 T60

## ISH Kits & Ancillaries

Product Name	Product Type	Catalog Number
ISH Retrieval (AR3)	ISH Retrieval	OPRI6021 T60
ONCOREPro ISH HRP Detection	ISH Detection	OPRI6047K T60
ONCOREPro ISHzyme Kit	ISH Pretreatment	OPRI6039K T120
ONCOREPro SSC Wash Buffer	Wash Buffer	OPRI4039 T60

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