NEOPATH PRO

Automation Redefined for FFPE FISH

EMPIRE GENOMICS

NEOPATH PRO

The **NeoPATH Pro** streamlines high-volume **FISH** workflows with advanced features including **42-slide capacity, 56 reagent positions,** batch access, and real-time data tracking, all in one powerful platform. Designed with direct input from the lab, it delivers clear, consistent staining while **maximizing throughput.** Flexible in design, whether benchtop or freestanding, the NeoPATH Pro empowers your team to work smarter and faster, setting **a new standard in automated FISH technology.**

Pro Performance For Your Laboratory

High Capacity
For Even The Most Demanding Laboratories

The NeoPATH Pro delivers more from every run, processing up to 42 randomized slides with a 2 hour hybridization while supporting any protocol in any position. With over 20% greater slide capacity than comparable systems and 56 temperature-controlled reagent slots, it ensures reliable performance, longer reagent life, and less hands-on time.

Innovative Technologies
Maximize Your Productivity

The system includes a state-of-the-art camera, QR code scanning for sample tracking, and AI tissue detection for optimized assays. Ultra-fine reagent dispensing is achieved with the Wash Buffer Probe and Neo Blade, while the Reagent Pipette and Bulk Comb system accelerates turnaround. An automated cleaning cycle ensures easy maintenance.

Ease of Use/User Interface
Making Your Lab Life Simple

The NeoPATH Pro interface enhances traceability and usability, minimizing technician time while ensuring full reagent and lot tracking. Integrated slide scanning and LIS/LIMS compatibility streamline workflows, while multi-instrument management enables centralized control for greater efficiency and quality assurance.

RTU Optimized Reagents
NeoPATH Pro Specific Reagents

RTU FISH reagents, optimized for NeoPATH Pro, deliver consistent signal quality across diverse sample types. CoverGuard technology removes the need for covertile accessories, while pre-optimized reagents streamline hybridization workflows. Intuitive protocols simplify staining, supporting the efficiency needs of high-volume clinical labs.

NEOPATH PRO Ordering Information

Instrument Information	Product Code	Description	Quantity
NeoPath Pro Automated Stainer	NPP0001	Bench Top Instrument	1 Unit
NeoDock	NPP20169	Instrument Accessory	1 Unit

Accessory Products	Product Code	Description	Quantity
Printer Ribbons	NPP20003	Accessory	1 Ribbon
Probe Cleaning Kit	NPRI10009KC10	Accessory	1 Kit
Slide Labels	NPP20002	Accessory	3000 Labels

Ancillary Reagents	Product Code	Description	Quantity
Cleaning Solution 10X	NPRI10008MMT84	Ancillary	1L Bottle (1000 mL)
TBS Tween 20 Buffer 10X	NPRI10007MMT84	Ancillary	1L Bottle (1000 mL)
Cover	NPRI10002T1300	Ancillary	2L Bottle (2000 mL)
High-AR	NPRI10003L2T2250	Ancillary	2L Bottle (2000 mL)
DEWAX-2 FISH	NPRI10050T200	Ancillary	2L Bottle (2000 mL)
FISH PT Kit	NPRI10058KT40	Ancillary	1 Kit (40 Tests)
DAPI w/ Antifade	DAPI-0125	Ancillary	500ul

Probe Name	Product Code	Quantity	Colors
NeoPATH Pro ERBB2(HER2)/CON17 FISH Probe	ERBB2-CHR17-20-OG-R-NP	20 Tests	🟠🟢

Coming Soon

Probe Name	Colors		Probe Name	Colors
BCL2 Break Apart FISH Probe	🟠🟢		IGH Break Apart FISH Probe	🟠🟢
BCL6 Break Apart FISH Probe	🟢🟠		MALT1 Break Apart FISH Probe	🟠🟢
DDIT3 (CHOP) Break Apart FISH Probe	🟢🟠		MDM2/CDN12 FISH Probe	🟠🟢
EWSR1 Break Apart FISH Probe	🟠🟢		MYC Break Apart FISH Probe	🟠🟢
FOXO1 Break Apart FISH Probe	🟢🟠		SS18 Break Apart FISH Probe	🟢🟠

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System Specifications

Slide Capacity	42 Slides
Reagent Rack	7 Reagent Racks, each consists of 8 Vials (Total 56 vials)
Bulk Reagents	3 Bulk Containers (Max volume: 2000 mL each)
Carboys & Waste separation	Wash Buffer (25 L), Cleaning Solution (25 L) Waste separation: Hazardous waste (25 L) and Non-Hazardous waste (25 L)
Instrument Weight	330.70 lbs (150 kg)
Instrument Weight (with Dock Accessory)	573.20 lbs (260 kg)
Instrument Dimensions	(Door Closed - W x H x D) 54.33 in x 31.49 in x 29.52 in / 138 cm x 80 cm x 75 cm (Door Open - W x H x D) 54.33 in x 51.18 in x 29.52 in / 138 cm x 130 cm x 75 cm (Setup space with PC) W 77.95 in / W 198 cm
Instrument Dimensions (with Dock Accessory)	(Door Closed - W x H x D) 55.16 in x 64.25 in x 29.53 in / 140.20 cm x 163.20 cm x 75 cm (Door Open - W x H x D) 55.16 in x 82.70 in x 29.53 in / 140.20 cm x 210 cm x 75 cm (Setup space with PC) W 78.78 in / W 200.20 cm
Electrical Requirements	Voltage : 100 − 240 VAC Frequency: 50 − 60 Hz
UPS Requirements	120VAC UPS: Power Capacity (VA): 1500 VA - Voltage Required: AC 100/110/120 V 220VAC UPS: Power Capacity (VA): 2000 VA - Voltage Requirements: 220/230/240 VAC