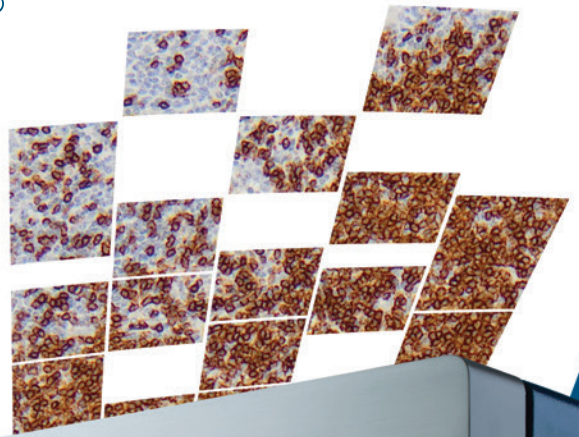


BIOCARE
MEDICAL

VALENT[®]

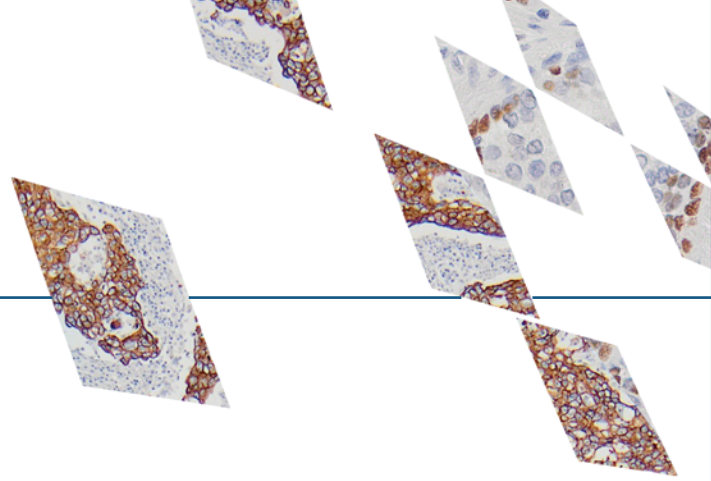
The Power of Advanced Automation



Pharma

Maximum Versatility

Bench to Clinic Continuity



Flexibility for the Future

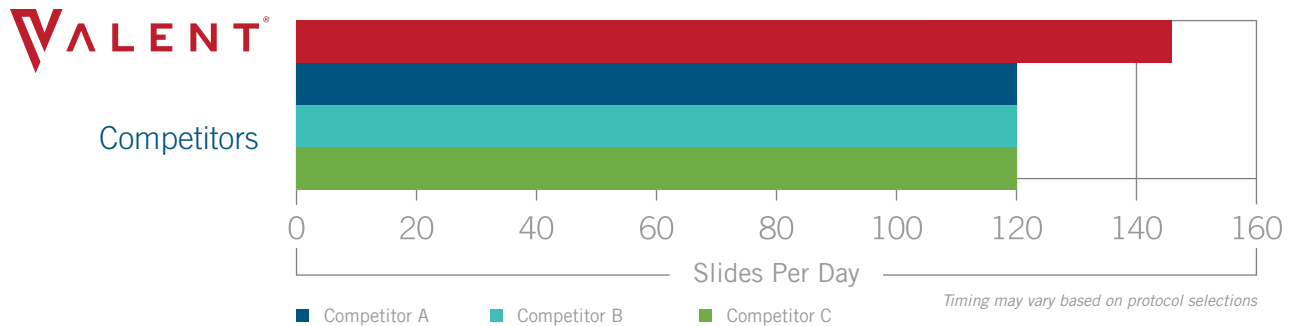
VALENT combines intuitive, efficient software with powerful, customizable protocols, and high-performance hardware for maximum flexibility. The open design of VALENT supports the transition of manual IHC protocols to fully automated, walk-away workflows: saving your staff valuable time. With automated workflows in place, the unmatched throughput of VALENT is designed to help your laboratory readily adapt to increased daily testing demands today and in the future.

Open System for Maximum Versatility

Easily automate the unique protocols of your laboratory with the open and flexible VALENT instrument and software. For ultimate convenience, Biocare Medical offers a full line of high quality ready-to-use reagents and antibodies that have been optimized for maximum performance on the VALENT. When needed, the open design of VALENT enables you to apply enzyme pre-treatments, antibodies, detections, or chromogens from any source. VALENT provides preeminent value and versatility to pharmaceutical organizations, supporting your IHC workflow demands from the research bench through the clinical phases of your projects.

Innovative Design for Powerful Processing

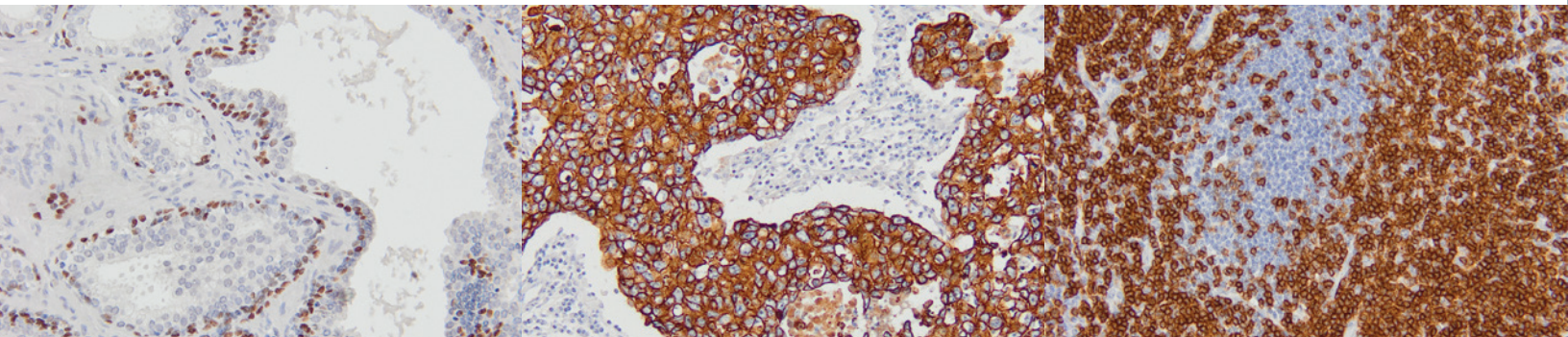
VALENT breaks the 30-slide barrier with true parallel processing of 48 slides simultaneously, capable of handling an unparalleled 144 slides per day with minimal user interaction. VALENT's high capacity lithium battery, in addition to boosting AR, acts as electrical back-up in the event of power loss. Under-slide heaters, and the associated power draw on standard electrical circuits for parallel slide processing, has limited the competition to maximum runs of 30 slides. Even with claimed run times of 2.5 hours for 30 slides, the maximum slides per standard shift is 120.



p63 - nuclear

CK8/18 - membrane

CD3 - cytoplasmic



The Power of Advanced Automation

VALENT is designed to be an innovative, fully automated, open and flexible instrument optimized to support research studies through clinical trials on a single platform.

Automate the Entire IHC Protocol with Enhanced Workflow

Inuitive User Interface

Step-by-step programming
Automatic error checking

DePar to Counterstain

Full protocol automation, ready to use reagents
Customizable pre-treatment options

Self Cleaning

Minimal maintenance demands
Maximizes walk-away time

High Throughput

48 slide capacity
Simultaneous multiplex IHC capability



LOAD & GO ▶

Instrument Specifications

Cat. No.	VLT8101
Slide Capacity	48
Independent Slide Trays	4 Trays, 12 Slides Per Tray
Refrigerated Reagent / Mixing Vial Rack	44 Positions, 20mL Vials; Temperature Range: Room Temperature to 10°C Below Room Temperature
Antigen Retrieval Temperature Range	Room Temperature to 98°C at Sea Level
Reagent Dispensing Volume	300µL
Multi-Dispensing Syringe Capacity	300µL – 14.4mL (48 slides x 300uL/slide)
DePar Dispense Volume	1mL Per Slide
Bulk Reagents	4
Waste Outlets	2
Waste Separation	Separates Hazardous and Non-Hazardous
Unit Control	One Instrument Per Computer
Instrument Dimensions	40" W X 24" D X 26" H / 102 cm W X 61 cm D X 66 cm H
Instrument Weight	245lbs / 111.1kg
Electrical requirements	Power input: 1800 (1800VA) / Power source: 100-120 VAC, 50/60Hz The VALENT cannot be used without the VALENT Cart, power supplied to the VALENT from the VALENT Cart may reach 3600W at 120V. The use of a dedicated circuit capable of delivering a minimum of 1850W continuously with less than 5% voltage sag is required for the instrument. Avoid connecting the instrument to the same circuit as other equipment.

Cart Specifications

Cat. No.	VLT8102 (50 Hz), VLT8103 (60 Hz)
Bulk Carboy Capacity	8L
Bulk Carboys	The VALENT Cart Holds 6 Carboys
Secondary Containment Capacity	11L Maximum Capacity
VALENT Cart Dimensions	40"W X 24"D X 30"H / 102cm W X 61cm D X 77cm H
Cart Weight	250lbs / 113.4kg
Main Supply Voltage Tolerance	±10%
Electrical Requirements	Power output: 3600W (3600VA) Power source: 100-120 VAC 50/60Hz Requires a step-down transformer rated for 2kW for operation using 220V mains (not supplied). Cart must be factory-configured for 50Hz operation. Do not plug anything into the VALENT Cart besides the computer and label printers.
Undervoltage & Overvoltage Protection	The VALENT Cart is protected from undervoltage /overvoltage conditions by internal relays built into the inverter / charger which will limit input voltage to 85-140VAC. Operation is prevented if input voltage is outside the specified range.