



NATIONAL HEALTH
LABORATORY SERVICE

LIVINGSTONE LAB SPECIFICATIONS: OFFICE BENCH COLOUR PRINTERS

Specification Item	Required Description
Printer Type	Multifunction Colour Laser Printer (Print, Copy, Scan)
Technology	Laser or LED
Colour Capability	Full Colour (CMYK)
Print Speed	Minimum 20 – 30 pages per minute (A4, colour and mono)
Print Resolution	1200 x 1200 dpi or higher
Duty Cycle	Minimum 40,000 pages per month
Input Capacity	Minimum 250-sheet input tray + 100-sheet multipurpose tray
Output Capacity	Minimum 150-sheet output bin
Duplex Printing	Automatic duplex printing (double-sided)
Connectivity	USB 2.0, Ethernet (10/100/1000), and Wireless (Wi-Fi 802.11 b/g/n)
Mobile Printing Support	Apple AirPrint, Google Cloud Print, Mopria, and Wi-Fi Direct
Display Panel	Minimum 2.7-inch colour touchscreen
Operating System Support	Windows, macOS, Linux
Security Features	Secure print, PIN code printing, network authentication, and data encryption
Memory	Minimum 512MB RAM (expandable preferred)
Processor Speed	Minimum 800 MHz
Consumables	Separate toner cartridges (Cyan, Magenta, Yellow, Black)
Dimensions	Suitable for bench/desktop use; footprint not exceeding 50cm x 50cm
Noise Level	< 55 dB during operation
Power Consumption	Energy Star certified; power-saving sleep mode < 3W
Warranty	Minimum 1-year onsite warranty
Compliance	ISO 14001, Energy Star, RoHS

Compiled by Laboratory Manager : Babonke Zoleka

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Approved by Quality Assurance coordinator

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