



POINT-OF-CARE DIAGNOSTICS REDEFINED

miniDxR

The ultimate lateral flow reader for point-of-care settings, delivering industry-leading accuracy and speed



Introducing the **miniDxR** by **DCN Dx**—a game-changer in point-of-care testing. The miniDxR sets a new standard for customizable lateral flow test readers in clinical and laboratory applications, veterinary medicine, environmental testing, and food safety.

BENCHMARKED AGAINST THE TOP READERS IN THE INDUSTRY

With its advanced imaging technology and proprietary algorithms, the miniDxR delivers high-sensitivity measurements in approximately 10 seconds. Its performance has been benchmarked against the top readers in the industry.

CUSTOMIZABLE TO YOUR NEEDS

The miniDxR offers a range of customization options, from software workflows and data presentation, to hardware modifications and branding.

VERSATILE AND USER-FRIENDLY

The miniDxR is designed to excel in both sophisticated clinical labs and challenging field environments. Its user-friendly interface and intuitive operation mean less training and more efficiency for your team.

Industry-Leading Imaging

Utilizes advanced camera-based colorimetry and fluorescence for accurate and precise color and intensity detection, essential for the most sensitive point-of-care diagnostics.

Adaptable to Your Assays

Features a modular cartridge nest that can be customized to accommodate a wide variety of lateral flow assay cassettes, ensuring compatibility with your specific needs.

Intuitive Design

Boasts a user-friendly interface with a vibrant color display and straightforward three-button control, enabling effortless operation even in fast-paced point-of-care environments and while using gloves. Additional options available to adapt screen size and button controls.

Flexible Testing Modes

Offers versatile “batch” and “single test” modes to accommodate diverse testing protocols, allowing you to analyze pre-run assays or monitor LFAs in real-time at the point of care.

Secure and Compliant

Safeguards your sensitive data with robust encryption and adheres to rigorous international standards, including FCC, IEC 61326, IEC 61010, IEC 60601, and IEC 62304, ensuring suitability for point-of-care use.

Standard Platform

LFA Cartridge	DCN MICA 200 Cassette
Measurement	Quantitative or qualitative, single or multiplex
Label Detection	Visual and fluorescence
Regions of Interest	Line integration (other configurations available)
Internal Assay Result Memory	1000 text results (more if using micro-SD)
Detector	CMOS Image sensor
Bit Depth	10 bits/pixel
Max Resolution (approx.)	31 μm
Test Imaging Region (standard)	30 x 13 mm
Cartridge Barcode ID (integrated internal scanner)	Data Matrix
Lot ID Capability	Yes
Assay Configuration Input	Via micro-SD card or WiFi
Display	Color
Operation Interface	3 buttons (other options available with customization)
Power Supply	4 AAA batteries or 5V microUSB
Connectivity	WiFi and Bluetooth
Barcode Scanner (external)	Yes, via Bluetooth
Printer	Yes, via Bluetooth
LIS Connectivity	Yes, via WiFi, HL7 (Mirth®)
PC Dev-App interface	WiFi, AP mode
PC Assay Developer SW	Dev-App
Memory	16 MB Flash, 8 MB RAM
Branding	Customizable
Algorithm	Customizable, can include interpolated dose response curve
Intended Use	RUO, Clinical
User	Different user levels
Approvals and Standards	ISO 13485, FCC, IEC 61326, IEC 61010, IEC 60601, IEC 62304

Customize Your miniDxR

The miniDxR is designed to be customized for your assay. From software workflows and data presentation to hardware modifications and branding, we'll help you create a device that seamlessly integrates into your point-of-care workflow.

Every customized miniDxR unit comes with standard features: pre-submission materials, product and software requirements, risk analysis, cybersecurity measures, verifications, and completion of the Design History File per FDA requirements.

TYPE OF CUSTOMIZATION

OPTIONS

Integrations	Test Device
	Controls
	External QCs
Software	Workflows
	Menus
	Data Presentation
	Logos/Colors
	LIS Integration
Hardware	Other
	Housing Colors
	Housing Logos
	Cartridge Nest Labels
Kit	Quick Start Guide
	Manual/IFUs
	Contents
	Power Supply

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