

NEWBORN SCREENING KITS, CALIBRATORS & CONTROLS

Cat. No	Product name	Plate type	Detection Method	Pack Size
7100100	NeoMass AAAC	Solid	MS/MS	960
7100110	NeoMass AAAC Plus	Solid	Fluorescence	960
6199850	Neonatal Galactose	Solid	Fluorescence	960
6199810	Neonatal GALT	Solid	Fluorescence	960
6199821	Neonatal Biotinidase	Solid	Fluorescence	960
6199860	Neonatal G6PD	Solid	Fluorescence	960
6199896	Neonatal Phenylalanine	Solid	Fluorescence	960
6199870	Neonatal 17-OH-Progesterone FEIA	Solid	Fluorescence	480
6199871	Neonatal 17-OH-Progesterone FEIA	Solid	Fluorescence	960
6199872	Neonatal 17-OH-Progesterone FEIA	Strip	Fluorescence	960
6199880	Neonatal hTSH FEIA Plus	Solid	Fluorescence	960
6199882	Neonatal hTSH FEIA Plus	Strip	Photometric	480
6199883	Neonatal hTSH FEIA Plus	Strip	Fluorescence	960
6199891	Neonatal hTSH EIA	Strip	Fluorescence	480
6199890	Neonatal T4 FEIA	Strip	Fluorescence	480
6199802	Neonatal Toxoplasma gondii IgM FEIA	Strip	Fluorescence	480
6199831	Neonatal IRT FEIA	Solid	Fluorescence	960
6190930	Neonatal Phenylalanine Controls	Reagents	Fluorescence	5 Sets of 3 Levels
6190940	Neonatal Phenylalanine Calibrators	Reagents	Fluorescence	5 Sets of 6 Levels
8100401	SCID-SMA Real time PCR Kit	NA	qPCR	96
8100402	SCID-SMA Real time PCR Kit	NA	qPCR	192
8100403	SCID-SMA Real time PCR Kit	NA	qPCR	480

NEWBORN SCREENING INSTRUMENTS

Cat. No	Product name	Plate type	Pack size
5400200	NS2400 Newborn screening automate	Automate	1
5420100	NS Reader	Modular	1
5550400	NS96 Disc Remover (110 V)	Modular	1
5550300	NS96 Disc Remover (220 V)	Modular	1
5450300	NS496 Plus (Neonatal Disc Puncher)	Modular	1
5450500	NS Incubator Shaker (2 Plate capacity)	Modular	1
5410100	NS Washer	Modular	1
5600100	Hand Puncher	-	1

For more information, please contact sales@labsystemsdx.com, logistics@labsystemsdx.com

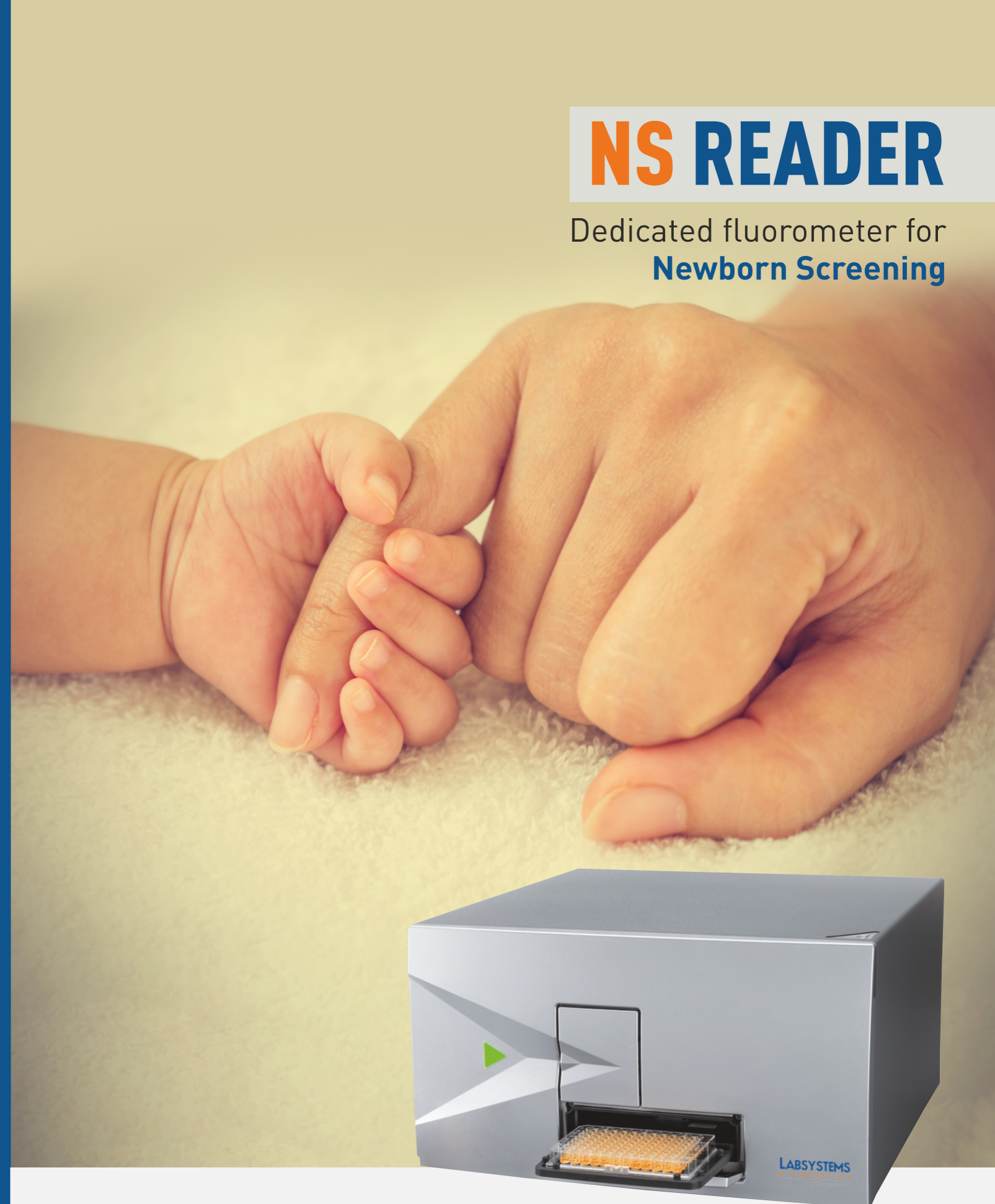
LABSYSTEMS
DIAGNOSTICS
speaking your language

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NS READER

Dedicated fluorometer for
Newborn Screening



CE IVD

Advanced Optics | High-performance Detectors | Fully upgradeable |
Data Exportable To Excel | Easy To Use | Reliable | Great After Sale-support

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INTRODUCTION

Labsystems Diagnostics' NS Reader is a user-friendly and affordable fluorescence reader, designed for the Newborn Screening needs. The versatile NS Reader uses advanced optics and high-performance detector with exceptional sensitivity.

INTENDED USE

It is intended to perform Newborn Screening tests accurately from dried blood spots

SOFTWARE

Equipped with Magellan software for analyzing and evaluating data generated from microplate tests.

FEATURES

- Based on direct fluorescence with top mode reading of 96-well plates
- Feature to import different sample ID output formats (.DAT, .XLS, .CSV...) generated from DBS Puncher
- Windows based software for easy data handling
- Capability to export the results in various output files like .pdf, .xls, ASCII
- Ability to calculate Plate to plate QC based on westgard rules and can exhibit LJ Graph.
- Compatible to communicate with Laboratory Information System (LIS)
- It can be used for all Labsystems fluorescence based immunoassay NBS applications.
- NS Reader can also be integrated onto Labsystems NS2400 fully automatic newborn screening platform and thus makes the transition from semi-automated assay processing to fully integrated-high throughput sample analysis.

ASSAYS TO SCREEN

- Congenital Adrenal Hyperplasia (17-OHP)
- Galactosemia (TGal and GALT)
- Biotinidase Deficiency (BTD)
- Cystic Fibrosis (IRT)
- Congenital Hypothyroidism (TSH and T4)
- Glucose-6-Phosphate Dehydrogenase Deficiency (G6PD)
- Phenylketonuria (PKU)
- Toxoplasmosis Gondii infection (Toxo Gondii IgM)

TECHNICAL DETAILS

Fluorescence top reading

Filter sets

Excitation	Emission
1. 320nm	1. 400nm
2. 360nm	2. 465nm
3. 380nm	3. 485nm

SPECIFICATIONS

- Light Source - UV Xenon flashlamp
- Wavelength Accuracy - $< \pm 2$ nm for $\lambda > 315$ nm; $< \pm 1$ nm for $\lambda \leq 315$ nm
- Wavelength Reproducibility - $< \pm 1$ nm for $\lambda > 315$ nm; $< \pm 0.5$ nm for $\lambda \leq 315$ nm
- Fluorescence reading mode - Top Mode
- Plate formats - 96 well microtitre plate
- Measurement Range - Fluorescence : 0 - 60000 RFU
- Dimensions - 457mm x 425mm x 253mm (DxWxH)
- Weight - 14Kg

A TREND SETTER IN NEWBORN SCREENING

Labsystems Diagnostics Oy is a trusted name and has been a forerunner in innovative diagnostic research and development for the last 30 years. The company manufactures a wide range of diagnostic equipment and kits in gastroenterology, immunology and pediatric segments. Labsystems offers a comprehensive list of Newborn Screening (NBS) products to serve millions of families throughout the world.

As an established European company, Labsystems Diagnostics has committed itself to developing high quality diagnostic products for use in clinical and research laboratories, both for customer use and as OEM products. The Company strongly invests in research & development, in its highly qualified personnel and state-of-the-art production. A highly rigorous quality system and CE-marked products ensure sustainable quality of the products. These assets combined with efficient customer support and a solid reputation ensures complete customer satisfaction.