

## 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](mailto:sales@labsystemsdx.com), [logistics@labsystemsdx.com](mailto:logistics@labsystemsdx.com)

# NS WASHER

Compact reliable and easy to use Microplate Washer  
for **Newborn Screening Assays**



LDX.V03.11-2020

## INTRODUCTION

NS Washer is a plate washer for 96-well microplates. It provides consistent, high-quality washing with very low residual volumes and features with multiple aspiration points for flat-bottom including strip plates, half-area plates and full plate – helping to manage reagent consumption.

## INTENDED USE

NS Washer is intended to be used primarily for in-vitro diagnostics and configured especially for newborn screening assays

## FEATURES

- Equipped with user-friendly onboard software for utmost flexibility in operation.
- Can be used as a standalone system or can be integrated with different robotics workstation.
- Compatible with NS2400 Automate.
- Full control over critical wash parameters with advanced options for process control.
- Sophisticated crosswise aspiration function, using multiple aspiration points per well.
- Low residual volume of only 2µl/well
- Drop-wise dispensing for gentle washing
- Advanced process control options
- Up to 20 user definable washing programs
- Two rinse modes (Rinse Day and Rinse Night) for maintenance
- Automatic microplate positioning
- Programmable strip selection
- Individual software control of speed settings and wash head positions

## TECHNICAL SPECIFICATIONS

<b>Display Unit</b>	Liquid crystal display with two rows of sixteen digits
<b>Keyboard</b>	Four key membrane keyboard
<b>Number of dispensing channels</b>	2 Channels
<b>Manifold types</b>	8 way for parallel processing of 8 wells in a row
<b>Variable: Volume of solution dispensed</b>	50 – 3000 µl in 50 µl steps for washing 50 – 400 µl in 50 µl steps for dispensing
<b>Dispensing Accuracy</b>	≤ 1.2 % (300µl dispense volume, dispense rate: 3, 8-way manifold)
<b>Dispensing uniformity CV</b>	≤ 2.5 % over the plate (300µl dispense volume, dispense rate: 3, 8-way manifold)
<b>Residual volume</b>	Crosswise aspiration: ≤ 1.8 µl per well (96-well, flat-bottom Greiner® plate) (Asp. Rate: 3; Asp. time: 4 sec; Head speed: 10 mm/sec; 8-way manifold)
<b>Interface</b>	USB
<b>Power: Supply</b>	Auto sensing for the settings 100 – 120 V or 220 – 240 V, 50/60 Hz
<b>Consumption</b>	65 VA
<b>Physical:</b>	
<b>Outside dimensions for plate washing</b>	Width: 27.5 cm, Depth: 36.6 cm, Height: 18.1 cm Weight 6.6 kg

## 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 40 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.