

SEEKER™



SEEKER is the first and only platform in newborn screening for lysosomal storage disorders authorized by the FDA!

SEEKER is a high throughput laboratory solution that quantitatively measures the activity of lysosomal enzymes from newborn dried blood spot specimens. Reduced activity of these enzymes may be indicative of the lysosomal storage diseases listed below.

ASSAY MENU

Enzyme (Abbreviation)	Disease
α -L-iduronidase (IDUA)	Mucopolysaccharidosis Type I (MPS I)
α -D-glucosidase (GAA)	Pompe
β -glucocerebrosidase (GBA)	Gaucher
α -D-galactosidase A (GLA)	Fabry

SEEKER™

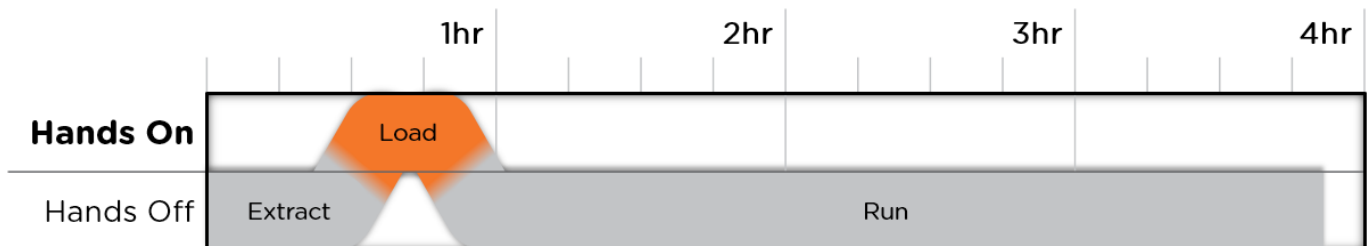


SEEKER workstation includes:
Up to 4 SEEKER Instruments
Desktop PC
Spot Logic® Software
Backup Power Supply

SEEKER workstation workflow

Each SEEKER cartridge contains 48 wells for specimens, calibrators and quality control samples. Dried blood spot samples are extracted from a 96-well plate and the extracts from one plate are transferred to two SEEKER cartridges.

With the capability of multiple runs per day and the abundance of hands off time using SEEKER, average throughput per day is 960 samples.*



*Assumes 2 SEEKER workstations (8 SEEKER instruments), 3 runs per day
(40 samples x 4 instruments per workstation x 2 workstations x 3 runs = 960 total samples)

THE **baebies** ADVANTAGE



	SEEKER	Mass Spectrometry
FDA Cleared Clinically Validated with Over 150,000 Newborns*	✓	
Results in Under 4 Hours	✓	
No Facility Modifications Needed	✓	
Maintenance Free of Charge	✓	
Optimized Enzyme Reaction Environments	✓	
Minimal Lab Experience Required	✓	
Easy Cross Training	✓	
Plug & Play Installation	✓	
Easy to Use	✓	
Quiet	✓	

*Over the course of 24 months, SEEKER screened 154,412 newborns.

CONTACT US

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SEEKER™

INSTRUMENT SPECIFICATIONS

Throughput per Day*	960 Samples
Punch-to-Result	3 hours 40 minutes (hands on time = 20 minutes)
Size - Lid Open (W x H x D)	7.75in x 21.75in x 20.75in (20cm x 55cm x 53cm)
Size - Lid Closed (W x H x D)	7.75in x 12in x 20.75in (20cm x 30cm x 53cm)
Weight	23lb (10.5kg)
Detector	Fluorometric
Input Voltage	100-240V
Input Current	5A (RMS) @ 115V AC, 2.5A (RMS) @ 230V AC
Frequency	50-60Hz
Consumables	SEEKER Cartridges and LSD Reagent Kits
Software	Spot Logic®
Communication	USB 2.0
Data Output	CSV, XML, HTML

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