

NucliSENS[™] easyMAG

BOOM[®] TECHNOLOGY • MAGNETIC SILICA • AUTOMATED



NucliSENS[®] easyMAG[™]

A touch of genius : **Simplicity**

from diagnosis,
the seeds of better health



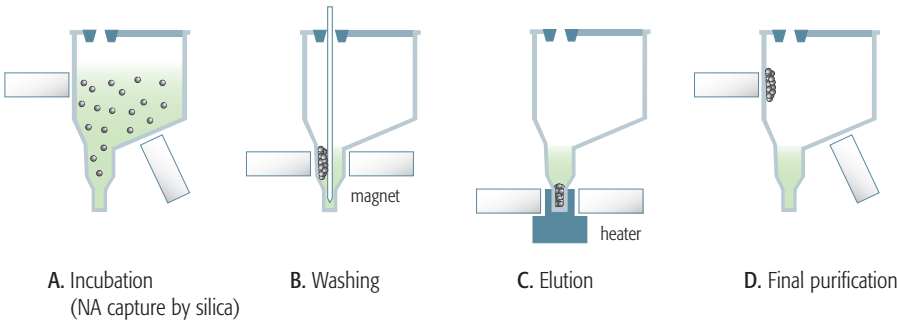
BOOM[®] technology recognized as the Gold Standard

The NucliSENS[®] easyMAG[™] platform is bioMérieux's second generation system for automated isolation of nucleic acids from clinical samples based upon silica extraction technology (also called BOOM technology developed by bioMérieux research teams). By introducing magnetic particles and further optimising the reagents, this new generation system significantly enhances BOOM technology. The high quality extraction performance is already confirmed by NucliSENS[®] miniMAG[™], the manual configuration of magnetic silica extraction. The specifications of the NucliSENS easyMAG platform associated with bioMérieux's well established expertise in the field of nucleic acid extraction will further increase the quality of your molecular applications.



Extraction Principle

- A. During incubation of the lysed samples, all the target nucleic acid is captured by magnetic silica particles.
- B. The NucliSENS easyMAG magnetic device attracts all the magnetic silica, enabling the system to purify the nucleic acids through several washing steps.
- C. The heating step releases the nucleic acids from the silica.
- D. At the final step, the magnetic silica particles are separated from the eluate by the magnetic device.



NucliSENS easyMAG
system, compatible with CE-IVD
With this CE-IVD approach and can be used for various applications both in the field of clinical microbiology.
This flexible solution is the NucliSENS EasyQ

Taking a stand on productivity

With the NucliSENS easyMAG platform nucleic acid testing is no longer time-consuming and labour-intensive. Manual steps are limited to loading samples, reagents and disposables, thereby freeing laboratory professionals to perform other tasks. Productivity and throughput are equally increased, making molecular diagnostics easy to perform in every lab.

Software so easy you won't believe it !

NucliSENS easyMAG's highly intuitive touchscreen simplifies sample, reagent and disposable management and makes it accessible to all users. The system's software provides complete sample to result traceability and extensive data storage capabilities, all piloted via the touchscreen interface. A real touch of genius !



2006
Frost & Sullivan
Innovation of the Year
Award

NucliSENS™
— easyMAG



easyMAG is a CE-IVD approved multi-extraction automated platform, with most sample types, and has a single procedure. Extractions obtained have a very high level of purity, suitable for various kinds of nucleic acid amplification purposes, including clinical routine and molecular research testing. easyMAG can also be linked to the real-time amplification platform, NucliSENS EasyQ®, providing a complete molecular testing offer for all labs.

Worthy of your trust

With NucliSENS easyMAG, the extraction of Nucleic Acid is not only CE-IVD approved, but fully secured. Everything, from bar-coded traceability, dedicated sample tips, specific design of disposables to avoid contamination, has been developed to provide you with complete confidence when reporting your results.



Why choose between flexibility and quality when you can have both !

NucliSENS easyMAG offers complete (DNA and RNA) extraction flexibility since different sample types and elution volumes from a wide range of sample matrices can be processed simultaneously. A single set of reagents and two sample run disposables, cover all your extraction needs with the highest level of quality.

Gain time and peace-of-mind

High throughput nucleic acid automated extraction with minimum hands-on-time and a very fast turnaround time (40 minutes for 24 extractions) is now within reach for all labs. Most applications can be performed with only one generic and standardized protocol, providing further time savings.

Choose Simplicity

Take the easy way to simplicity and combine NucliSENS® easyMAG™ with the real-time NucliSENS EasyQ® amplification platform. This unparalleled combination gives you high-quality answers in just 3 hours.

- ▶ Standardised and well-balanced reagents
- ▶ A wide variety of application possible
- ▶ All supports from one supplier





System input requirements

- ▶ Run size :
1-24 samples per run
- ▶ Magnetic silica particles
- ▶ Sample type validated :
 - Plasma
 - Serum
 - Whole blood
 - CSF
 - Sputum
 - Stool
 - BAL
 - Swabs
 - Dry Blood Spot
 - etc...

- ▶ Internal control :
maximum 100 microliters
- ▶ Input volume :
from 10 to 1000 microliters
- ▶ Barcode reader traceability
- ▶ Same reagents for all protocols

System Outputs

- ▶ Output volume :
from 25 to 110 microliters

Features

- ▶ Hands-on time :
<15 minutes for 24 samples

Throughput flexibility

- ▶ Lysis on board workflow :
up to 168 extractions per shift
- ▶ Lysis in tube workflow :
up to 240 extractions per shift

Turnaround time

- ▶ Between 40 and 60 minutes
for 24 extractions
(depending on the workflow)

Dimensions

- ▶ Width : 1000 mm
- ▶ Depth : 650 mm
- ▶ Height : 530 mm

Weight

- ▶ 125 kg



NucliSENS® easyMAG™ Extraction Buffer 1	ref. 280130	4 x 1 l
NucliSENS® easyMAG™ Extraction Buffer 2	ref. 280131	4 x 1 l
NucliSENS® easyMAG™ Extraction Buffer 3	ref. 280132	4 x 1 l
NucliSENS® easyMAG™ Magnetic Silica	ref. 280133	384 extractions
NucliSENS® easyMAG™ Lysis Buffer (1000 ml)	ref. 280134	4 x 1 l
NucliSENS® easyMAG™ Disposables	ref. 280135	384 positions

NucliSENS® easyMAG™ Instrument starter pack ref. 280140

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