



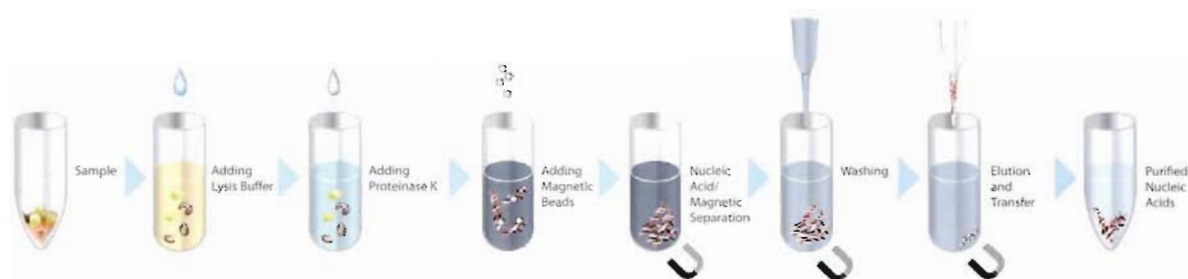
SaMag - 12 / 24TM

Sacace
BIOTECHNOLOGIES

Overview



Magnetic beads extraction



Purification process includes steps of lysis, binding, washing and elution.

PESTLE MIXING

When required, the pestle agitate and mix very well the liquid, avoiding clogged tips problem and ensuring good nucleic acid extraction even for highly viscous specimens.



POLYGON REACTION CHAMBER

Ensure highest efficiency of lysis and elution, greatly minimizing the presence of magnetic beads and alcohol residues in the final eluted sample.



Features and Advantages



- Fully automated high yield nucleic acid extraction with magnetic beads and PCR setup (for Saace kits like HCV, HBV)
- Reagent identification with on-board barcode scanners
- Pre-programmed protocols
- Flexible batch size from 1 up to 24 samples in parallel
- All required tubes, tips, plastics are inside the provided Extraction Kits
- Ready to use reagents
- Very fast extraction protocol (~40 minutes)
- Very simple operation (easy to install, operate, maintain)
- Isolation of very pure nucleic acids

Ease of use

3 EASY STEPS to purify nucleic acids from different sample materials

LOAD STEP 1

Load reagent cartridges, consumables and samples



RUN STEP 2

Select protocol with a quick barcode scan. The SaMag instrument does the rest.



COLLECT STEP 3

At the end of the run, purified nucleic acids can be retrieved



Complete solution containing everything needed for purification: prefilled, film-sealed reagent cartridges, disposable plastics, reaction and elution tubes. At the end of the process, purified nucleic acids are auto collected into 1.5 ml tubes for storage or directly into 0.2 ml PCR tubes thus including PCR setup (for example using Saace HBV and HCV CE-IVD marked detection kits.)

Technical specifications

Extraction Method:	Magnetic Beads Extraction Technology
Extraction Steps:	Sample binding, washing and elution
Throughput	1 to 12 samples per run (SaMag-12™)
	1 to 24 samples per run (SaMag-24™)
Display:	LCD (20 characters x 4 lines)
Heat Block Temperature:	Room Temperature to 65 °C
Dimensions:	SaMag-12™ (48 cm W x 70 cm D x 52 cm H)
	SaMag-24™ (100 cm W x 70 cm D x 52 cm H)
Weight:	43 kg (SaMag-12™)
Operating temperature:	15-30°C
Operating Relative Humidity	30-80% (non-condensing)
Electrical Requirements:	110-240V 50/60Hz

Extraction kits reagents (to use with SaMag™ system)

PRODUCT	CAT.	TYPE	COMPOSITION	DESCRIPTION
SaMag™ Viral Nucleic Acid Extraction Kit	SM003	CE IVD	1 kit (48 extractions) including all plastic disposables	For extraction of viral nucleic acids from plasma,serum or cell-free body fluids
SaMag™ Viral RNA Extraction Kit	SM012	CE IVD	1 kit (48 extractions) including all plastic disposables	For extraction of viral RNA from plasma, serum or cell-free body fluids
SaMag™ STD DNA Extraction Kit	SM007	CE IVD	1 kit (48 extractions) including all plastic disposables	For extraction of STD DNA (for ex. Chlamydia trachomatis, Neisseria gonorrhoeae, Human Papilloma Virus...etc.) from swabs, urine, seminal liquid
SaMag™ TB DNA Extraction Kit	SM008	CE IVD	1 kit (48 extractions) including all plastic disposables	For extraction of Mycobacterium tuberculosis DNA from clinical specimen or culture
SaMag™ Tissue DNA Extraction Kit	SM004	CE IVD	1 kit (48 extractions) including all plastic disposables	For extraction of genomic DNA from a variety of tissues
SaMag™ Blood DNA Extraction Kit	SM001	CE IVD	1 kit (48 extractions) including all plastic disposables	For extraction of genomic DNA from whole blood, peripheral blood mononuclear cells or buffy coat
SaMag™ FFPE DNA Extraction Kit	SM009	CE IVD	1 kit (48 extractions) including all plastic disposables	For extraction of genomic DNA from FFPE samples