



MOLECULAR

eNAT™ SPECIMEN COLLECTION & PRESERVATION

OPTIMIZED FOR MOLECULAR
APPLICATIONS



Innovating Together™

copanitalia.com



eNAT™ is intended for collection, transport and preservation of **clinical specimens** to be processed with **molecular diagnostics platforms**.

eNAT™ stabilizes **RNA and DNA of Viruses, Bacteria, Chlamydia, Trichomonas vaginalis, Mycoplasma** and allows safe specimen handling thanks to its microbial viability inactivation.



**DNA/RNA
STABILIZATION**

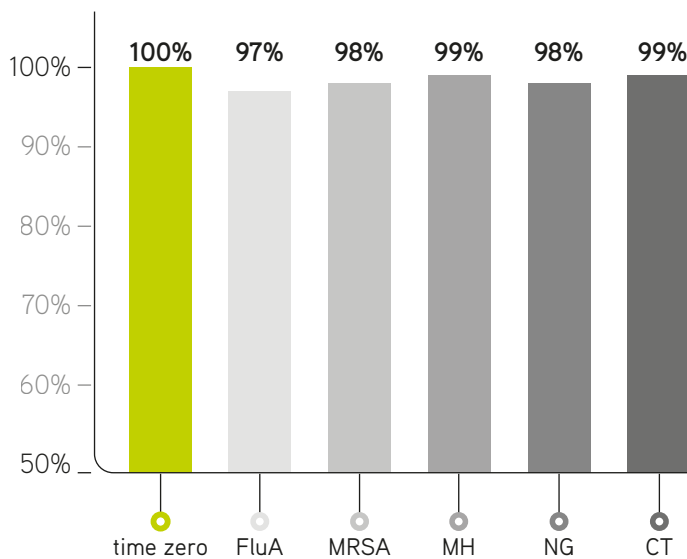
**MICROBIAL
VIABILITY
INACTIVATION**

**NUCLEASE
INACTIVATION**

**COMPATIBILITY
WITH
MOLECULAR
SYSTEMS**

> DNA/RNA STABILIZATION

4 WEEKS at ROOM TEMPERATURE



SPECIMENS IN eNAT™

> FLOQSwabs™

e.g.:
Vaginal
Endocervical
Nasal
Naso-pharyngeal
Buccal

> URINE

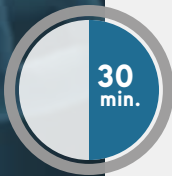
Optimized performance was obtained by adding 3ml of urine to 1ml of eNAT™.

- **FluA** - Influenza A
- **MRSA** - Methicillin-resistant Staphylococcus aureus
- **MH** - M.hominis
- **NG** - N.gonorrhoeae
- **CT** - C.trachomatis

Above data show the recovery after inoculation of a panel of strains stored in eNAT™ kit for 4 weeks at room temperature. Testing performed by Real-Time-PCR. Copan internal data. Additional data available upon request.



ULTRA RAPID MICROBIAL VIABILITY INACTIVATION

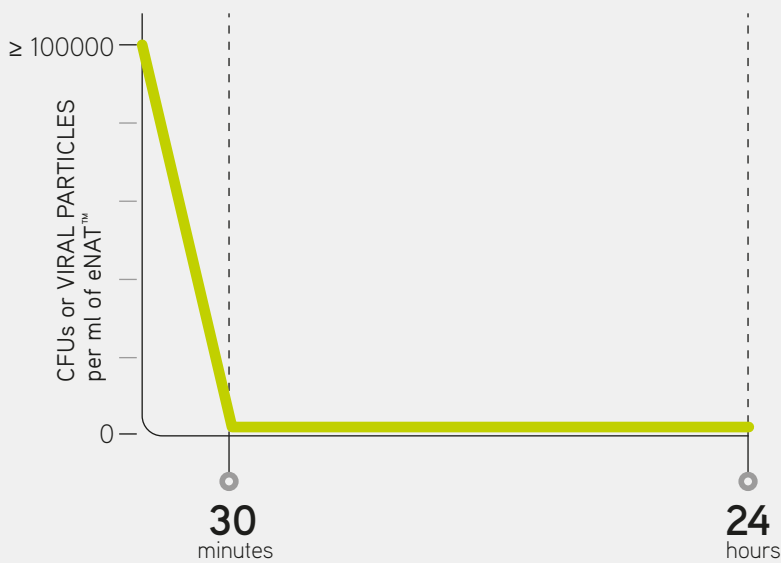


eNAT™ medium contains a detergent and a protein denaturant to **COMPLETELY INACTIVATE MICROBIAL VIABILITY within 30 MINUTES** for the majority of the tested micro-organisms.

VIABILITY INACTIVATION ENSURES EXTRA SAFETY IN SPECIMEN:

- > HANDLING
- > PROCESSING
- > TRANSPORT

PARTICULARLY CRITICAL IN CASE OF PANDEMICS.



INACTIVATION WITHIN 30 MIN. IN eNAT™ MEDIUM

- | | |
|---------------|----------------|
| S. pneumoniae | S. typhimurium |
| S. agalataiae | H. influenzae |
| S. aureus | N. gonorrhoeae |
| P. anaerobius | C. albicans |
| E. coli | HSV1 |
| P. aeruginosa | C. trachomatis |
| S. sonney | FluB |
| | FluA |

> NUCLEASE INACTIVATION

FluA RNA in **eNAT™** + RNase → 98,3%

FluA RNA in **WATER** + RNase → 0%

RNA RECOVERY
AFTER 2 WEEKS at 37°C

OPTIMIZED FOR AUTOMATED MOLECULAR SYSTEMS

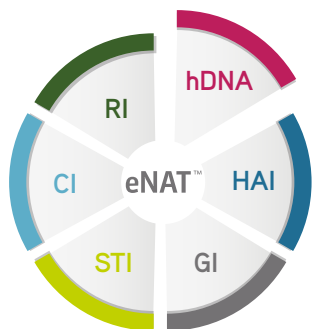
COMPATIBLE WITH AUTOMATED PCR PLATFORMS.

eNAT™ is the pre-analytical device for optimized compatibility with molecular NAAT.

Numerous molecular platforms were tested for compatibility with eNAT™ *

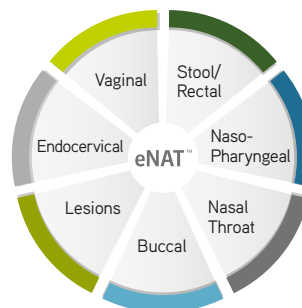
* Complete list of the molecular systems tested for eNAT™ compatibility available upon request.

MOLECULAR APPLICATIONS*



- RI**
Respiratory infections
- STI**
Sexually transmitted infections
- CI**
Cutaneous infections
- HAI**
Hospital acquired infections
- GI**
Gastric infections
- hDNA**
Human DNA from buccal swabs
(not for diagnostic applications)

SAMPLE* COLLECTION



* OTHERS MAY BE APPLICABLE

ORDERING INFORMATION

Please contact **COPAN** for complete ordering information.

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