



MOLECULAR

# eNAT™ SPECIMEN COLLECTION & PRESERVATION

OPTIMIZED FOR MOLECULAR  
APPLICATIONS



Innovating Together™

[copanitalia.com](http://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**

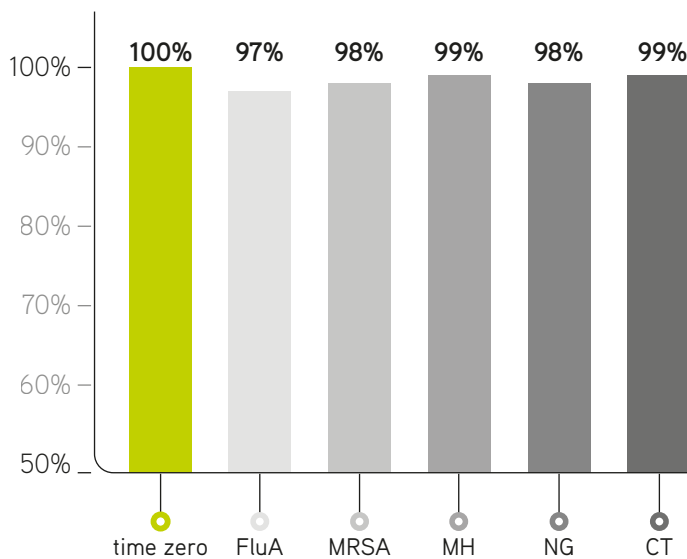
**MICROBIAL  
VIABILITY  
INACTIVATION**

**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

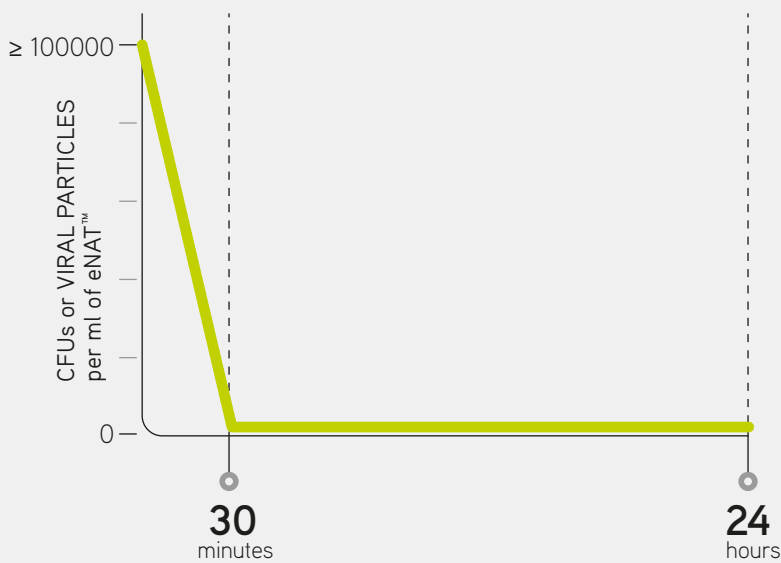
30  
min.

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

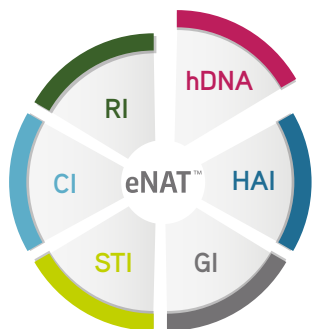
### COMPATIBLE WITH AUTOMATED PCR PLATFORMS.

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

Numerous molecular platforms were tested for compatibility with eNAT™ \*

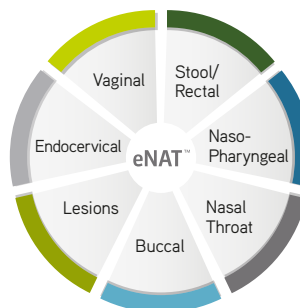
\* Complete list of the molecular systems tested for eNAT™ compatibility available upon request.

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




**FLOQSwabs™**  
original brand,  
collects and transfers  
specimen into the vial.

\* OTHERS MAY BE APPLICABLE

ORDERING INFORMATION

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

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