

# BACK TO BASICS

## *One Tube. Lossless DNA. Real Results*

### Exymes's Ultra-Fast Clean Extraction Workflows

Improve your workflow with our single tube approach.

*Say goodbye to columns and beads.*

Exymes's single-tube enzymatic approach speeds up extractions, reduces contamination and minimizes the loss of DNA and RNA from precious samples.

*That's barrier-breaking nucleic acid extraction - in minutes, not hours*

#### prepGEM™ Universal



Ideal for blood, saliva, cell culture, and tissue (including mouse tails, ear punches, and insects).

Produces single-stranded DNA for PCR, qPCR, whole genome amplification, and amplicon sequencing and is perfect for screening CRISPR/Cas9 gene editing with NGS.

#### prepGEM™ Bacteria



Ideal for Gram-positive and Gram-negative, protozoa, archaea, colonies and liquid cultures, biofilm and mucosal samples, swabs and metagenomic DNA (including soil, stool, and water).

Produces single-stranded DNA for PCR, qPCR, whole genome amplification, amplicon sequencing, and 16S rRNA sequencing.

#### forensicGEM™ Universal



Ideal human ID solution for blood (liquid, swab, stains, storage card), saliva (liquid, swab, stains, storage card), and tissue (solid, dispersed, finger nail, hair).

Produces single-stranded DNA for STR, PCR, qPCR, and whole genome amplification.

#### forensicGEM™ Sperm



Ideal for sperm cells, semen, semen stains, and vaginal swabs.

Produces single-stranded DNA for STR, PCR, and qPCR, and is perfect for differential extractions and Y-screening.

#### RNAGEM™



Ideal for mammalian cell culture, laser capture micro-dissections and FACS-prepared cell populations.

Suitable for RT-PCR and qRT-PCR; can be added directly to downstream reagents for a simple protocol on 96 well plates.

#### phytoGEM™



Ideal for leaves, stems, roots, tubers seaweeds, plant pathogen screening and fungi

Suitable for PCR, qPCR, LAMP, RPA and NGS

#### boneGEM™



Ideal for bone plugs, bone powder, bone fragments and freeze-dried bone

Suitable for PCR, qPCR, STR

# How we compare

## Cost Comparison

- Cheaper per extraction
- 81% less plastic waste
- No toxic waste to dispose
- 94% less chemical and biohazard waste



## Time Savings

*Gone are the days of hour-long workflows.  
Go from hours to minutes with Exymes*

Our single-tube approach not only reduces the opportunity for contamination and plastic waste, but it shortens extraction times significantly. While conventional extraction methods can take up to six hours, Exymes extraction kits produce DNA and RNA in minutes.

**86% less  
extraction time**

**94% less  
storage volume**

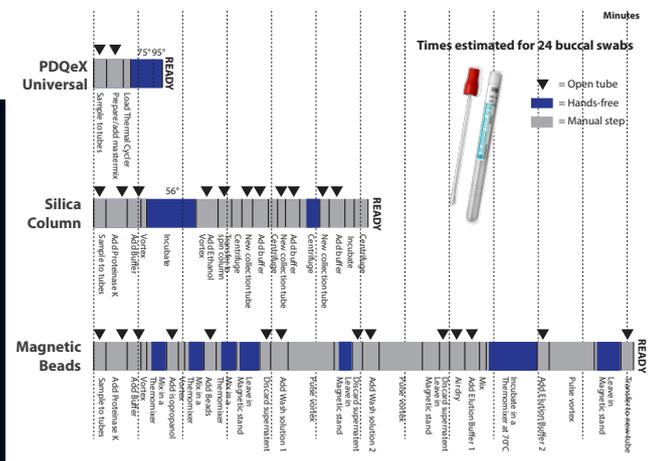
## Storage Requirements

Exymes storage needs:

- + Room temperature stable
- + 4°C storage once opened
- + 2-year shelf life upon receipt
- + Small footprint
- + No secondary containers
- + No flammable storage cabinets



500 reactions in a single small box  
11cm x 9cm x 3cm



Exymes's single-tube approach to extraction prevents contamination and plastic waste. Conventional extraction kits require many open tube steps, while Exymes kits require only a few.

[www.exymesplc.com](http://www.exymesplc.com)  
[info@exymesplc.com](mailto:info@exymesplc.com)