

prepGEM Universal

Effortless DNA extraction

prepGEM Universal utilizes MicroGEM's thermophilic proteinase for simple, rapid DNA extraction with unprecedented recovery.

Sample types: cell culture, saliva, tissue, blood, and insects

Key advantages:

- Single-tube extraction
- Protocols ranging from 4 to 18 minutes
- High DNA Recovery – Minimal loss of DNA during extraction
- No magnetic beads – No spin-columns – No harsh chemicals
- Protocols scalable from 1 cell to millions of cells
- Easily automated on a standard laboratory thermocycler or robotic platform
- Minimal plasticware required – Reduced waste

This kit is an excellent tool for researchers performing confirmatory genotyping of transfected cells following CRISPR/Cas9 gene editing.

Each kit contains: prepGEM, Histosolv, **BLUE** Buffer, **RED+** Buffer, **ORANGE+** Buffer

prepGEM Universal is for research use only (RUO), not intended for in-vitro diagnostic (IVD) use.



Image shows 100, 500 & 1,000 reaction kits.

Typical Workflow

prepGEM Universal protocols can be scaled up or down as needed.



1. Prepare sample.
2. Mix sample and reagents (*prepGEM* and buffers).
3. Place in a standard thermocycler for 2-10 minutes at 75 °C.
4. Denature *prepGEM* enzymes at 95 °C for 2 minutes.



prepGEM Universal has an exceptionally high DNA recovery with no loss of DNA during the extraction process. Researchers can work with fewer cells and still get enough DNA for downstream analysis. The time to grow cells is significantly reduced. Results are much faster.

