Ruhvenile® Biomedical
Product datasheet

truGnom®

Active Lysis & Genetic Preservation Medium

Engineered for advanced genomic and metagenomic workflows, truGnom® actively lyses cells upon collection while simultaneously neutralising nucleases, delivering instant, uncompromised nucleic acid release without cold-chain reliance. Taxonomic fidelity: formulated to prevent lysis bias, so difficult-to-crack organisms such as Gram-positive bacteria and fungi are efficiently represented in your sequencing data.

Indigenous patented technology | Discovered and developed in India | DSIR recognised | ISO 9001:2015 certified | CE (IVD) compliant



3+ years
DNA/RNA at 15–25°C

2.5–3X
more DNA/mRNA than media on the market

15 days
mRNA at room temperature

2 years
shelf life of unused medium

Key features

- Supports the One Health programme: stabilises DNA and mRNA from human, animal, agri and environmental samples.
- DNA/RNA stable for 3+ years at 15–25°C; mRNA 15 days at room temperature and 3 months at -80°C.
- Instant lysis removes the extra lysis step, saving time and cost; use any reliable kit to isolate your product.
- Extracts 2.5–3X more DNA/mRNA than media available in the market.
- A colour indicator shifts from blue to green or yellow if the sample is compromised.
- Isolate fungal DNA without liquid nitrogen.
- Approved for MTB analysis by Gates Foundation, The Union and ICMR (Govt. of India).

Specifications

Parameter	Value
Shelf life (unused medium)	2 years at room temperature
DNA/RNA at 15–25°C	3+ years
mRNA	15 days at room temperature; 3–6 months at -80°C
Sample types	Swabs, sputum, liquid biopsy, stool, any tissue, environmental, agri and animal samples
Important	Lyses cells; does not revive microbes (use BiomLife® for revival)
Supply	Sterilised bottles; CE compliant

Catalogue codes and pack sizes

Code	Pack
RVN-TG-250-00	250 mL
RVN-TG-500-00	500 mL
RVN-TG-1000-00	1000 mL
RVN-TG-Bulk-00	Larger volume

Best for

- Metagenomics and genomics labs that want cells lysed at the moment of collection
- Core facilities running high-throughput, direct-to-extraction DNA/RNA isolation
- Hospitals and TB programmes sending sputum and swabs (approved for MTB analysis)
- Fungal DNA isolation without liquid nitrogen (with CTAB)

Frequently asked questions

What is the difference between truGnom® and GeneLokr™?

truGnom® is an active lysis and stabilisation medium: it lyses cells on contact and stabilises the released nucleic acids for direct-to-extraction workflows. GeneLokr™ is an ambient fixative that keeps cells and nucleic acids intact for long transport and storage, then extract. Choose truGnom® to lyse now and extract later; choose GeneLokr™ to preserve now and extract later.

Can truGnom® be used for blood samples?

No. truGnom® suits all sample types except blood. For blood DNA and RNA use BloodGnom™, or GeneLokr™ to keep blood intact for extraction later.

Can truGnom® preserve both DNA and RNA?

Yes, it does.

Is truGnom® suitable for NGS and metagenomics?

Yes. It is formulated to prevent lysis bias, so Gram-positive bacteria and fungi are well represented in sequencing data.

Does truGnom® require a separate lysis step?

No, because it lyses cells on contact. For a better yield of DNA and RNA, adding a lysis reagent increases the yield.

Order or customise

Request a quote, a custom pack size or bulk quantities. Dispatch within 3–5 working days.

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Specifications come from Ruhvenile® product information and may be updated. Confirm current specifications and regulatory status with Ruhvenile® before ordering.