Ruhvenile® Biomedical
Product datasheet

BiomLife® Pro

One Tube. Living Microbes. Total Multi-Omics. Zero Cold Chain.

Everything you trust about BiomLife®, proven across five continents for aerobic, anaerobic and fastidious microbe recovery, culturomics, DNA, PCR, NGS and WGS, now supercharged for total multi-omics depth and extended ambient stability.

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



Up to 2 years
ambient at 15–25°C (predicted)

1 tube
living microbes plus multi-omics

Higher viability
when stored at -20°C or -80°C

16–24 months
shelf life without specimen

Key features

- Complete single-tube multi-omics: collect one sample and unlock metagenomics, metatranscriptomics, proteomics and metabolomics together, without splitting the specimen.
- Living microbes for culturomics: preserves and revives aerobic, anaerobic and fastidious bacteria, fungi and phages.
- Extended 2-year ambient horizon: up to 2 years at 15–25°C. Storing at -20°C or -80°C improves microbe revival and multi-omics efficacy, and supports biobanking beyond 2 years.
- Advanced vitrification and antioxidant shield: an enhanced proprietary matrix that halts enzymatic turnover and preserves labile metabolites and delicate protein modifications, with no toxic fixatives.
- Seamless downstream integration: made without cross-linking agents or harsh denaturants, so it works with mass spectrometry, high-throughput sequencing and LC-MS pipelines.
- Supports the One Health programme: for human, animal, plant and environmental samples.

Specifications

Parameter	Value
Shelf life (without specimen)	16–24 months at room temperature
DNA/RNA integrity	2+ years at 15–25°C*
mRNA at -20°C to -80°C	3–6 months
Viability	Higher viability rate when samples are kept at -20°C or -80°C
Sample to media ratio	1:1 to 1:3
Intended specimens	Stool, tissue, swabs, biopsies, microbial cultures, environmental, soil, plant and liquid samples (non-blood)
Applications	PCR, NGS, metagenomics, proteomics, metabolomics, culturomics, biobanking

Catalogue codes and pack sizes

Code	Pack
RVN-BLP-0.9-00	0.9 mL in 2 mL cryotube
RVN-BLP-1.5-00	1.5 mL in 5 mL cryotube
RVN-BLP-3.0-00	3.0 mL in 15 mL cryotube

Best for

- Multi-omics projects: metagenomics, metatranscriptomics, proteomics and metabolomics from one sample
- Culturomics teams that need living microbes after long transit
- Remote, tropical or off-grid collection without refrigeration

Frequently asked questions

What does BiomLife® Pro add over BiomLife®?

Metatranscriptomics, proteomics and metabolomics from the same single sample, plus up to 2 years of ambient storage at 15–25°C (predicted), on top of everything BiomLife® does.

Does BiomLife® Pro keep microbes alive?

Yes. It preserves and revives aerobic, anaerobic and fastidious bacteria, fungi and phages, so you can run culturomics and multi-omics from one tube.

Does BiomLife® Pro need refrigeration?

No. It is designed for storage and transport without a cold chain for up to 2 years at 15–25°C (predicted from accelerated studies).

Can I improve microbe viability and multi-omics results?

Yes. Storing samples at -20°C or -80°C increases the revival of microbes and the efficacy of multi-omics studies, and supports biobanking beyond 2 years.

Is BiomLife® Pro suitable for routine DNA, PCR, NGS and WGS work?

Yes. It covers every BiomLife® workflow.

Order or customise

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

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