

- Specific biomarker panels
- Lead compounds and unbiased multiparameter quantification
- Metabolite profiling in high-throughput (> 500 samples/24 h)
- Highly standardized and automated
- Reliable, reproducible, cost effective

Product Benefits and Applications

- Understanding the diversity of life
- Digitization of life processes
- Analysis of biological systems and measurement of their properties
- Accompaniment in all areas of life sciences - R&D
- Relevance for breeding due to efficiency and stability
- Identification and presentation of interrelationships between life and health

Technical Specifications

Technology	1D 1H-NMR spectroscopy, lifespın's proprietary data analysis
Specimen type	All biological matrices
Sample requirements	500 µL particle free biofluid Lower volumes possible upon request
No. of reported parameters	System specific
Report format	Spreadsheet and analytical report
Reported units	System specific
Sample shipping	System specific

lifespın[®] Profiler

Systems for life sciences

- Metabolite profiling in animal health
- Multiparameter quantification in culture media
- Quality and identity for drugs/excipients such as polyglycolides or hyaluronic acid
- Batch-to-batch control and pattern matching for mixtures and extracts
- Determination of the chemotype of aromatic and medicinal plants
- Quantification of lead compounds
- Quality testing of biological raw materials for industry
- Metabolite profiling for breeding and research
- Analysis and prediction of complex properties by metabolite profiling
- Quality of raw materials for nutrition (e.g. malt quality)

Our offer

- **Service laboratory**



We gladly digitize your samples. Up to 1000 samples in less than 7 working days possible.

- **Your metabolome scanner**



We are happy to support you in planning and implementing your own system.

- **Cloud and IT based solutions**



You have digitized your biological samples and need further data analysis? You look for reference data, statements on special age groups, gender-dependencies, comparative collectives, similarity and/or conspicuity analyses? We are happy to support you with our own data sets, technology platform and experts.

Reach out to us with your questions: customerservice@lifespın.ai

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Systems for life sciences