

- Comprehensive biomarker panel with 75 parameters
- Unbiased multiparameter quantification
- Metabolite profiling in high-throughput (100 samples/24 h)
- Highly standardized and automated
- Reliable, reproducible, cost effective

## Product Benefits and Applications

- Provides insights into the current, individual metabolic state of the donor
- Allows an assessment of personal health
- Enables the detection of health risks or diseases
- Supports the selection of therapies and therapy accompaniment
- Offers insights into pharmaceutical drug development
- Supports clinical trials through deeper understanding of individual collectives

## Technical Specifications

Technology	1D 1H-NMR spectroscopy, lifespın's proprietary data analysis
Specimen type	Human Saliva
Sample requirements	600 µL particle free biofluid Lower volumes possible upon request
No. of reported parameters	Approx. 75
Report format	Spreadsheet and analytical report
Reported units	mmol/L or g/L
Sample shipping	Ship on dry ice

**lifespın**® Profiler

Saliva Biomarker Analysis (RUO\*)

\*Research use only

### Matrix-specific Biomarker panel:

The lifespın<sup>Profiler</sup> provides multiparameter quantification for all types of biological samples. We currently collect metabolic data from blood, urine, saliva and liquor (CSF). Further sample requirements are available on request.

### Extended Biomarker panel:

An extension of the metabolic profiles is possible and can be tailored individually. Customized extensions benefit from our lifespın database with currently more than 1000 different metabolites (list available on request).

### Pharmacogenetics and Therapeutic Drug Monitoring:

Whether you require help with a more targeted analysis and research into pharmaceutical drug development, clinical trial accompaniment or Therapeutic Drug Monitoring – we support your exciting projects with our expertise and creativity.

## 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](mailto:customerservice@lifespın.ai)**

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Saliva Biomarker Analysis (RUO\*)

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No.	Substance	No.	Substance	No.	Substance
1	1,2-Propanediol	26	Dimethylamine	51	Malate
2	2,3-Butanedione	27	Dimethylsulfone	52	Maleinate
3	2-Hydroxybutyrate	28	Ethanol	53	Malonate
4	2-Hydroxyisobutyrate	29	Ethanolamine	54	Mannitol
5	3-Hydroxybutyrate	30	Formate	55	Methanol
6	3-Hydroxyisovalerate	31	Fructose	56	Methionine
7	Acetate	32	Fucose	57	myo-Inositol
8	Acetoacetate	33	Fumarate	58	Nicotinate
9	Acetoin	34	gamma-Butyrolactone	59	Phenylalanine
10	Acetone	35	Glucose	60	Proline
11	Acetylcholine	36	Glutamate	61	Propanol
12	Acrylate	37	Glutamine	62	Propionate
13	Adenine	38	Glycerol	63	Pyridoxine
14	Adenosine	39	Glycine	64	Pyruvate
15	Alanine	40	Glycolate	65	Sarcosine
16	Arginine	41	Histidine	66	Serine
17	Asparagine	42	Hypoxanthine	67	Succinate
18	Aspartate	43	Inosine	68	Taurine
19	Betaine	44	Isoleucine	69	Threonine
20	Butyrate	45	Isopropanol	70	Tryptophane
21	Caffeine	46	Isovalerate	71	Tyrosine
22	Choline	47	Lactate	72	Urea
23	Citrate	48	Leucine	73	Valine
24	Creatine	49	Levulinate	74	Xanthine
25	Creatinine	50	Lysine		