Selecting Analytes In Saliva

Why Measure With Saliva?
• Accurate
• Valid in everyday context
• Quick to collect
• Safe to handle
• Can be “self-collected”
• Economical
Salivary Analytes In Research

### Stress & Behavior
- **HPA Axis & SAM Axis**
  - Alpha-amylase, Beta-endorphin, Cortisol, CRH, CRP genes, DHEA, DHEA-S, Estradiol, IL-1 beta, IL-6, Melatonin, Serotonin gene (S-HTTLPR), TNF-alpha
- **Child Development**
  - Alpha-amylase, Androstenedione, Cortisol, CRH, DHEA, IGF-1, Melatonin
- **Behavioral Disorders**
  - Alpha-amylase, Beta-endorphin, Cortisol, CRH, Estradiol, IL-1 beta, IL-6, Melatonin, Serotonin gene (S-HTTLPR)
- **Sleep & Circadian Rhythm**
  - Chromogranin A, Cortisol, DHEA, Estradiol, IL-1 beta, Melatonin, Progesterone, Testosterone
- **Social Behavior & Emotions**
  - Alpha-amylase, Androstenedione, Cortisol, DHEA, Estradiol, Progesterone, Testosterone

### Environmental
- **Smoking**
  - Beta-endorphin, Cortisol, Cotinine, Testosterone

### Reproductive Developement
- **Reproductive Development**
  - Androstenedione, Cortisol, DHEA, DHEA-S, Estradiol, Melatonin, Progesterone, 17-OH Progesterone, Testosterone
- **Fertility, Infertility, & IVF**
  - Androstenedione, Cortisol, DHEA-S, Estradiol, Estrogen receptors, Melatonin, Progesterone, 17-OH Progesterone, Progesterone receptors, Testosterone, TGF-beta 1 gene
- **Pregnancy**
  - Androstenedione, Cortisol, CRP, DHEA-S, Estradiol, Estriol, IGF-1, IL-1 beta, IL-6, Melatonin, Progesterone, 17-OH Progesterone, Testosterone, TNF-alpha, Uric Acid

### Wellness & Aging
- **Aging**
  - Androstenedione, Beta-endorphin, Cortisol, CRH, CRP, DHEA, DHEA-S, Estradiol, Estrogen receptors, IGF-1, IL-1 beta, Melatonin, Progesterone, Serotonin gene (S-HTTLPR), SlgA, Testosterone, Uric Acid
- **Hormone Balance**
  - Cortisol, DHEA, DHEA-S, Estradiol, Progesterone, Testosterone
- **Menopause**
  - Androstenedione, Cortisol, DHEA, Estradiol, Estrone, Melatonin, Progesterone, 17-OH Progesterone, Testosterone
- **Wellness & Prevention**
  - Alpha-amylase, Beta-endorphin, Cortisol, CRP, DHEA, DHEA-S, Estradiol, IGF-1, IL-1 beta, IL-6, Progesterone, Testosterone, TNF-alpha genes
- **Nutrition**
  - Alpha-amylase, Beta-endorphin, Cortisol, CRP, DHEA, DHEA-S, Estradiol, IGF-1, IL-1 beta, IL-6, Progesterone, Testosterone, TNF-alpha genes

### Sports & Performance
- **Physical Training**
  - Beta-endorphin, Cortisol, CRP, DHEA, DHEA-S, IGF-1, IL-1 beta, IL-6, Melatonin, SlgA, Testosterone, TNF-alpha, Uric Acid
- **Military**
  - Cortisol, DHEA, DHEA-S, IGF-1, SlgA, Testosterone
- **Overtraining & Exhaustion**
  - Beta-endorphin, Cortisol, CRP, IL-1 beta, IL-6, SlgA, Testosterone, TNF-alpha

### Disorders
- **Cushings Syndrome - Cortisol**
- **Autism - Cortisol, Uric Acid**
- **ADHD - Melatonin**
- **Chronic Fatigue Syndrome - Cortisol, Uric Acid**
- **Hypertension - Cortisol, SlgA**
- **Muscular Dystrophy - IGF-1, TNF-alpha**
- **Fibromyalgia - Cortisol**
- **Sjogren’s Syndrome - Neopterin, TNF-alpha**
- **PCOS - 17-OH Progesterone, Androstenedione, DHEA-S, Testosterone**
- **Eating Disorders - Estradiol, Beta-endorphin**
- **Seasonal Affective Disorder - Melatonin**
- **Insomnia - Melatonin**
- **Burning Mouth Syndrome - IL-6**
- **Oral Lichen Planus - IL-1 beta, IL-6, TNF-alpha**
- **Multiple sclerosis - Epstein Barr Virus, Estradiol**
- **Antley-Bixler syndrome - Estradiol**
- **Kidney Disease & Kidney Stones - Uric Acid**
- **Hypertension - Uric Acid**

### Cancer
- **Cortisol, CRH, CRP, DHEA, Estradiol, Estradiol receptors, Estrone, IGF-1, IL-1 beta, IL-1 beta genes, IL-6, IL-6 genes, Melatonin, Progesterone, Testosterone, TNF-alpha, TNF-alpha genes**

### Inflammation
- **Beta-endorphin, Cortisol, CRH, CRP, DHEA, Estradiol, IGF-1, IL-1 beta, IL-1 beta genes, IL-6, LPS response gene, Melatonin, Neopterin, Oxidative stress genes, Progesterone, Serotonin gene (S-HTTLPR), SlgA, Testosterone, TNF-alpha, TNF-alpha genes**

### Obesity & Diabetes
- **Obesity**
  - Beta-endorphin, Cortisol, CRP, Estradiol, Estradiol receptor genes, Estrone, IGF-1, IL-1 beta, IL-1 beta genes, IL-6, TNF-alpha, Uric Acid
- **Children’s Obesity**
  - Beta-endorphin, Cortisol, CRP, Estradiol, Estradiol receptor genes, Estrone, IGF-1, IL-1 beta, IL-6, TNF-alpha, Uric Acid
- **Diabetes**
  - Alpha-amylase, Cortisol, CRP, DHEA-S, Estradiol, IGF-1, IL-1 beta, IL-1 beta genes, IL-6, IL-6 genes, Melatonin receptors, Testosterone, TNF-alpha, Uric Acid
Using The Saliva Research Library

The Salimetrics Research Library contains selected citations for articles by saliva researchers around the world. In addition, background articles related to specific analytes and research interests are included. Search by author, analyte, research area, focus, keywords and sample type.

QUICK SEARCH: Sleep & Circadian Rhythm

Salimetrics provides this information for research use only (RUO). Information is not provided to promote off-label use of medical devices. Consult full text of article.

Training With Saliva

Spit Camp workshops provide saliva specific training in the integration of salivary biomarkers into studies. Topics include oral fluids as biological specimens; an overview of saliva collection methods and devices; using proper collection, handling, storage and shipping methods; and the basics of enzyme immunoassay techniques used for assaying saliva. Spit Camps have a hands-on lab practicum using Salimetrics assays, while the workshops are seminar-based.

How Biomarkers Get Into Saliva

What Will You Discover Today?

Salimetrics assays have been used in more saliva-related published papers than any other salivary assay in the field. We offer behavioral, social and medically focused researchers superior tools to translate research findings into new therapies and medications thereby improving quality of life. We commit ourselves to the development of salivary tools that support the efforts of researchers around the globe.
Stay Connected With Saliva Research

Our organized online research library includes the research and important saliva-based topics from respected opinion leaders, including an archive of our own Spit Reports in our online research library.

Stay informed with the latest in saliva research, techniques and findings. Our Spit Report is delivered straight to your inbox six issues per year.

These saliva based workshops and two-day camps cover topics ranging from saliva collection methods and the basics of enzyme immunoassay techniques, to lab training and integration of salivary measures into scientific studies.

Achieve meaningful results. Get advice from Salimetrics on saliva collection and assay techniques – select from videos and publications.

The lab testing your samples should have the knowledge, experience and references to consistently deliver accurate results. Select a lab that participates in a proficiency testing program and maintains reliable saliva assay techniques.

Visit our website to find a distributor near you.