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LubioScience GmbH
Baumackerstrasse 24
8050 Zurich

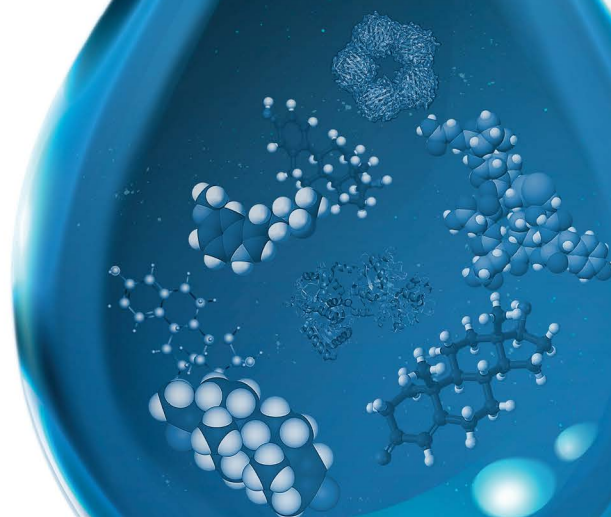
+41 41 417 02 80

info@lubio.ch
www.lubio.ch

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 Research

Discovery • Science • Innovation • Collaboration • Impact

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, Progesterone, Serotonin gene (5-HTTLPR), TNF- alpha

Child Development

Alpha-amylase, Androstenedione, Cortisol, CRH, DHEA, IGF- I, Melatonin

Behavioral Disorders

Alpha-amylase, Beta-endorphin, Cortisol, CRH, Estradiol, IL- I beta, IL-6, Melatonin, Serotonin gene (5-HT), Testosterone, TNF-alpha

Sleep & Circadian Rhythm

Chromogranin A, Cortisol, DHEA, Estradiol, IL- I beta, Melatonin, Progesterone, Testosterone

Social Behavior & Emotions

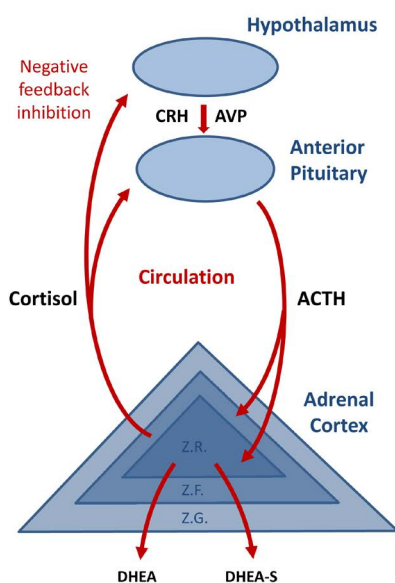
Alpha-amylase, Androstenedione, Cortisol, DHEA, Estradiol, Progesterone, Testosterone

Environmental

Smoking

Beta-endorphin, Cortisol, Cotinine, Testosterone

The HPA Axis and Regulation of Cortisol and DHEA(S)



Z.G. = Zona glomerulosa
Z.F. = Zona fasciculata
Z.R. = Zona reticularis

Reproductive Health

Reproductive Development

Androstenedione, Cortisol, DHEA, DHEA-S, Estradiol, Melatonin, Progesterone, 17-OH Progesterone, Testosterone

Reproductive Development

Androstenedione, Cortisol, DHEA, DHEA-S, Estradiol, Melatonin, Progesterone, 17-OH Progesterone, Testosterone

Fertility, Infertility, & IVF

Androstenedione, Cortisol, DHEA, DHEA-S, Estradiol, Estrogen receptors, Melatonin, Progesterone, 17-OH Progesterone, Progesterone receptors, Testosterone, TGF-beta I gene

Pregnancy

Androstenedione, Cortisol, CRP, DHEA, DHEA-S, Estradiol, Estradiol, IGF- I, IL- I beta, IL-6, Melatonin, Progesterone, 17-OH Progesterone, Testosterone, TNF-alpha

Sports & Performance

Physical Training

Beta-endorphin, Cortisol, CRP, DHEA, DHEA-S, IGF- I, IL- I beta, IL-6, Melatonin, SlgA, Testosterone, TNF-alpha

Military

Cortisol, DHEA, DHEA-S, IGF- I, SlgA, Testosterone

Overtraining & Exhaustion

Beta-endorphin, Cortisol, CRP, IL- I beta, IL-6, SlgA, Testosterone, TNF-alpha

Illness & Infection

Cortisol, CRP, IL- I beta, IL-6, SlgA, Testosterone, TNF-alpha

Disorders

Cushings Syndrome - Cortisol

Autism - Cortisol

ADHD - Melatonin

Chronic Fatigue Syndrome - Cortisol

Hypertension - Cortisol, SlgA

Muscular Dystrophy - IGF- I, TNF-alpha

Fibromyalgia - Cortisol

Sjögren's Syndrome - Neopterin, TNF-alpha

PCOS - 17-OH Progesterone,

Androstenedione, DHEA-S, Testosterone

Eating Disorders - Estradiol, Beta-endorphin

Seasonal Affective Disorder - Melatonin

Burning Mouth Syndrome - IL-6

Oral Lichen Planus - IL- I beta, IL-6,

TNF-alpha

Multiple sclerosis - Epstein Barr Virus, Estradiol

Antley-Bixler syndrome - Estradiol

Wellness & Aging

Aging

Androstenedione, Beta-endorphin, Cortisol, CRH, CRP, DHEA, DHEA-S, Estradiol, Estrone, IGF- I, IGF- I receptor, IL- I beta, Melatonin, Progesterone, Serotonin gene, SlgA, Testosterone

Hormone Balance

Cortisol, DHEA, DHEA-S, Estradiol, Progesterone, Testosterone

Menopause

Androstenedione, DHEA, DHEA-S, Estradiol, Estrone, Melatonin, Progesterone, 17-OH Progesterone, Testosterone

Wellness & Prevention

Alpha-amylase, Beta-endorphin, Cortisol, CRP, DHEA, DHEA-S, Estradiol, Estrone, IGF- I, IL- I beta, IL- I b genes, IL-6, Melatonin, Neopterin, Oxidative stress genes, SlgA, Testosterone, TNF-alpha, TNF-alpha genes

Nutrition

Alpha-amylase, Beta-endorphin, Cortisol, CRP, Estradiol, IGF- I, IL- I beta, IL-6, Progesterone, SlgA, Testosterone, TNF-alpha

Health & Inflammation

Cancer

Cortisol, CRH, CRP, DHEA, Estradiol, Estradiol receptors, Estrone, IGF- I, IL- I beta, IL- I beta genes, IL-6, IL-6 genes, Melatonin, Progesterone, Testosterone, TNF-alpha, TNF-alpha genes

Inflammation

Beta-endorphin, Cortisol, CRH, CRP, DHEA, Estradiol, Estradiol, IGF- I, IL- I beta, IL- I beta genes, IL-6, LPS response gene, Melatonin, Neopterin, Oxidative stress genes, Progesterone, Serotonin gene (5-HT), SlgA, Testosterone, TNF-alpha, TNF-alpha genes

Obesity & Diabetes

Obesity

Beta-endorphin, Cortisol, CRP, Estradiol, Estradiol receptor genes, Estrone, IGF- I, IL-6, TNF-alpha

Children's Obesity

Beta-endorphin, Cortisol, CRP, Estradiol, Estradiol receptor genes, Estrone, IGF- I, IL-6, TNF-alpha

Diabetes

Alpha-amylase, Cortisol, CRP, DHEA-S, Estradiol, IGF- I, IL- I beta, IL- I beta genes, IL-6, IL-6 genes, Melatonin receptors, Testosterone, TNF-alpha

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

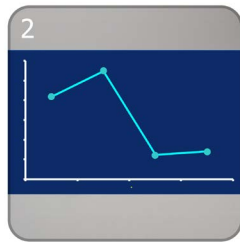
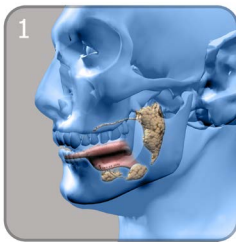
Search

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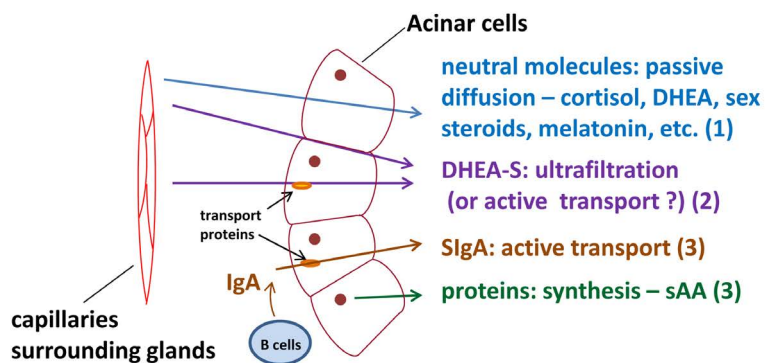
Training With Saliva



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



* Notes

- (1) Not affected by location or flow
- (2) Affected by flow
- (3) Affected by location and flow

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.

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