

# Cortisol ELISA Kit

Catalog # KA1885      Size 1 Kit

## Specification

<b>Product Description</b>	Cortisol ELISA Kit is an enzyme immunoassay for the quantitative determination of Cortisol in human saliva.
<b>Suitable Sample</b>	Saliva
<b>Sample Volume</b>	50 $\mu$ L
<b>Detection Method</b>	Colorimetric
<b>Assay Type</b>	Quantitative
<b>Calibration Range</b>	0.1 to 30 ng/mL
<b>Regulation Status</b>	For research use only (RUO)
<b>Storage Instruction</b>	Store the kit at 4°C.

## Applications

- Quantification

## Publication Reference

- [Long-Term Effects of Child Early Surgical Ventricular Septal Defect Repair on Maternal Stress.](#)

Jennifer Gerlach, Elena S Decker, Anne-Christine Plank, Stefan Mestermann, Ariawan Purbojo, Robert A Cesnjevar, Oliver Kratz, Anna Eichler.

Children (Basel, Switzerland) 2023 Nov; 10(12):1832.

Application: Quant, Human, Hair

- [Wearable Cortisol Aptasensor for Simple and Rapid Real-Time Monitoring.](#)

Jai Eun An, Kyung Ho Kim, Seon Joo Park, Sung Eun Seo, Jinyeong Kim, Siyoung Ha, Joonwon Bae, Oh Seok Kwon.

ACS Sensors 2022 Jan; 7(1):99.

Application: ELISA, Human, human sweat

- [The association between prenatal alcohol consumption and preschool child stress system disturbance.](#)

Jennifer Grimm, Mark Stemmler, Yulia Golub, Eva Schwenke, Tamme W Goecke, Peter A Fasching, Matthias W Beckmann, Oliver Kratz, Gunther H Moll, Johannes Kornhuber, Anna Eichler.

Developmental Psychobiology 2021 May; 63(4):687.

Application: Quant, Human, Children hair

- [Polystyrene nanoplastics disrupt glucose metabolism and cortisol levels with a possible link to behavioural changes in larval zebrafish.](#)

Brun NR, van Hage P, Hunting ER, Haramis AG, Vink SC, Vijver MG, Schaaf MJM, Tudorache C.

Communications Biology 2019 Oct; 2:382.

Application: ELISA, Zebrafish, Larvae extracted

- [Dyadic coping and the cortisol:CRP ratio: How marital stress influences physiological state.](#)

Sharpley CF, Bitsika V, McMillan ME, Jesulola E, Agnew LL.

Physiology & Behavior 2019 Aug; 211:112669.

Application: Quant, Human, Human saliva

- [Salivary and hair cortisol as biomarkers of emotional and behavioral symptoms in 6-9 year old children.](#)

Golub Y, Kuitunen-Paul S, Panaseth K, Stonawski V, Frey S, Steigleder R, Grimm J, Goecke TW, Fasching PA, Beckmann MW, Kornhuber J, Kratz O, Heinrich H, Moll GH, Eichler A.

Physiology & Behavior 2019 Oct; 209:112584.

Application: Quant, Human, Hair, Saliva

- [Background cortisol versus social anxiety as correlates of HPA-axis recovery from stress in boys with Autism Spectrum Disorder.](#)

Bitsika V, Sharpley CF, McMillan ME, Agnew LL.

International Journal of Developmental Neuroscience 2018 Aug; 71:52.

Application: ELISA, Human, Saliva

- [Comparing a genetic and a psychological factor as correlates of anxiety, depression, and chronic stress in men with prostate cancer.](#)

Sharpley CF, Christie DRH, Bitsika V, Andronicos NM, Agnew LL, Richards TM, McMillan ME.

Supportive Care in Cancer 2018 Mar; [Epub].

Application: ELISA, Human, Salivary

- [Limitations in the inverse association between Psychological Resilience and depression in prostate cancer patients experiencing chronic physiological stress.](#)

Sharpley CF, Christie DRH, Bitsika V, Agnew LL, Andronicos NM, McMillan ME, Richards TM.

Psycho-Oncology 2017 Jul; [Epub].

Application: Quant, Human, Salivary from patients with prostate cancer

- [A comparison of age, cognitive, hormonal, symptomatic and mood correlates of Aggression towards Others in boys with ASD.](#)

Bitsika V, Sharpley CF, Sweeney JA, Andronicos NM, Agnew LL, Arnold WM.

Research in Developmental Disabilities 2017 Jul; 66:44.

Application: Quant, Human, Saliva from patients with Autism Spectrum Disorder (ASD)

- [Neurobiological and psychological evidence of chronic stress in prostate cancer patients.](#)

Sharpley CF, Christie DR, Bitsika V, Agnew LL, Andronicos NM, McMillan ME, Richards TM.

European Journal of Cancer Care 2017 Mar; [Epub].

Application: Quant, Human, Saliva from patients with prostate cancer

- [What worries parents of a child with Autism? Evidence from a biomarker for chronic stress.](#)

Bitsika V, Sharpley CF, Andronicos NM, Agnew LL.

Research in Developmental Disabilities 2017 Mar; 62:209.

Application: Quant, Human, Saliva from patients with Autism Spectrum Disorder

- [Further evidence of HPA-axis dysregulation and its correlation with depression in Autism Spectrum Disorders: Data from girls.](#)

Sharpley CF, Bitsika V, Andronicos NM, Agnew LL.

Physiology & Behavior 2016 Sep; 167:110.

Application: Quan, Human, saliva

- [Prevalence, structure and correlates of anxiety-depression in boys with an autism spectrum disorder.](#)

Bitsika V, Sharpley CF, Andronicos NM, Agnew LL.

Research in Developmental Disabilities 2016 Feb; 49-50:302.

Application: Quant, Human, Saliva from patients with autism spectrum disorder

- [Social Motivation is Associated with Elevated Salivary Cortisol in Boys with an ASD.](#)

Vicki Bitsika, Christopher F. Sharpley, Linda L. Agnew & Nicholas M. Andronicos

Journal of Developmental and Physical Disabilities 2015 Oct; 27:811.

Application: ELISA, Human, Saliva

- [Age-related differences in the association between stereotypic behaviour and salivary cortisol in young males with an Autism Spectrum Disorder.](#)

Bitsika V, Sharpley CF, Agnew LL, Andronicos NM.

Physiology & Behavior 2015 Dec; 152(Pt A):238.

Application: ELISA, Human, Saliva

- [Eight-month test-retest agreement in morning salivary cortisol, self- and parent-rated anxiety in boys with an Autism Spectrum Disorder.](#)

Christopher F. Sharpley, Vicki Bitsikaa, Linda L. Agnew, Nicholas M. Andronicos.

Physiology & Behavior 2015 Nov; 151:207.

Application: ELISA, Human, Saliva

- [Agreement Between self- vs Parent-Ratings of General Anxiety Disorder Symptoms and Salivary Cortisol in boys with an ASD.](#)

Vicki Bitsika, Christopher F. Sharpley, Nicholas M. Andronicos & Linda L. Agnew

Journal of Developmental and Physical Disabilities 2015 Apr; 27:467.

Application: ELISA, Human, Saliva

- [Hypothalamus-pituitary-adrenal axis daily fluctuation, anxiety and age interact to predict cortisol concentrations in boys with an autism spectrum disorder.](#)

Bitsika V, Sharpley CF, Andronicos NM, Agnew LL.

Physiology & Behavior 2015 Jan; 138:200.

Application: ELISA, Human, Saliva

- [HPA and SAM axis responses as correlates of self- vs parental ratings of anxiety in boys with an Autistic Disorder.](#)

Bitsika V, Sharpley CF, Sweeney JA, McFarlane JR.

Physiology & Behavior 2014 Mar; 127:1.

Application: ELISA, Human, Saliva