



# BioAssay Laboratory

THROUGH A GRANT FROM THE CANADIAN FOUNDATION FOR INNOVATION, THE CENTRE FOR STUDIES ON HUMAN STRESS HAS ESTABLISHED A LABORATORY FOR THE ANALYSIS OF VARIOUS STRESS-RELATED HORMONES IN HUMANS.

THE LABORATORY CAN ALSO STORE SAMPLES IN THE BIOBANK, AT THE REQUEST OF RESEARCHERS, AND WITH THE APPROVAL OF ETHICS BOARDS.

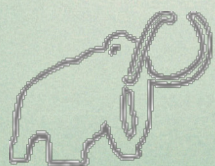
FOR RESEARCHERS IN QUEBEC, it is advantageous to have hair and saliva samples obtained from scientific studies analyzed here in a Quebec laboratory. This way, it is unnecessary to ship samples to the United States or other countries, as this could entail various risks including samples being held at customs, poor handling and loss of samples during shipment.

COST OF ANALYSIS at the CSHS BioAssay Lab is highly competitive. The lab also provides freezer storage for researchers who wish to retain remnants of saliva or blood from their studies, that were not used during analysis. A consent form must be signed by participants in order for researchers to conserve the remaining samples in the biobank. The CSHS provides information on this consent procedure, as well as examples of consent forms concerning saliva or blood banks.

THE LABORATORY HAS RECENTLY introduced the analysis of cortisol in hair samples, and has validated the method with an international laboratory.

THE CSHS ALSO PROVIDES INFORMATION needed on the methodology used to take hair or saliva samples, for cortisol and other stress-related hormone analysis.

*Since 2011, the Centre has provided services of salivary hormone analysis, most frequently measured in studies on human stress, including cortisol and sex hormones.*



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*Our salivary analyses are performed by qualified and competent personnel, and are validated annually by our supplier, Salimetrics. Our facilities are at the forefront of technology. Our freezers are equipped with alarms and we ensure continuous high-quality service. We offer -20 and -80 Celsius freezer storage.*

# Types of Analysis

## SALIVA

- ~ Alpha-Amylase
- ~ Cortisol
- ~ Androstenedione
- ~ Testosterone
- ~ Progesterone
- ~ Estradiol
- ~ DHEA & DHEA-S
- ~ Secretory IgA

## HAIR

- ~ Cortisol

Other types of analyses or analyses of other types of hormones associated with human stress may be available upon request.

Visit the site [www.stresshumain.ca](http://www.stresshumain.ca) to apply online for analysis.



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