

----- Forwarded message -----

De: **West Coast Metabolomics Center** <wcmetabolomics@gmail.com>

Date: mié, 12 jul 2023 a las 17:01

Subject: Re: Information about cost metabolomic analysis

To: Wendolyn Elideth Davila Olmedo <wendolyn.davilao@incmnsz.mx>

Hello Wendolyn,

I have attached the requested cost estimate for our combined panel of 3 untargeted assays (primary metabolism, complex lipids, and biogenic amines). Please let me know if you have any questions.

Kind regards,
Scott Mackell

West Coast Metabolomics Center

Project Manager

University of California, Davis

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On Tue, Jul 11, 2023 at 1:35 PM Wendolyn Elideth Davila Olmedo <wendolyn.davilao@incmnsz.mx> wrote:

Hi Scott,

Thank you for your response and the information you provide.

We keep a total of 42 milliliters of urine from each of our patients, We keep the samples ultrafrozen.

Our research team led by Dr. Carlos Aguilar Salinas and Dra. Ivette Cruz Bautista, both researchers at the **Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Metabolic Diseases Research Unit**, in Mexico City. Where we are conducting this prospective cohort study. We are interested in obtaining financial support funds to carry out this metabolomic analysis, specifically for combined panel, so we will participate in a call for proposals.

We would like to ask you for a quote to perform this analysis on 2079 samples.

Is this possible?

I hope your response.

Thank you.

El mié, 5 jul 2023 a las 18:01, West Coast Metabolomics Center (<wcmetabolomics@gmail.com>) escribió:

Hello Wendolyn,

Thank you for your email and interest in our services.

I have provided an outline of the estimated cost of our untargeted assays below. While we offer several targeted assays we currently have a hold on accepting new targeted LC projects (bile acids, steroids, and oxylipins) due to project backlog and staffing. Additional information on our assays can be found on our [website](#).

2079 urine samples

primary metabolism: \$ 167,063

complex lipids: \$ 218,658

biogenic amines: \$ 218,658

combined panel of all 3 assays: \$ 478,723

For urine samples we would ask for 500ul and that creatinine levels be included with urine sample submissions if possible. Our current estimate for the completion of studies is 3-5 months from receiving samples.

Kind regards,
Scott Mackell

West Coast Metabolomics Center

Project Manager

University of California, Davis

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On Wed, Jul 5, 2023 at 10:51 AM Wendolyn Elideth Davila Olmedo <wendolyn.davilao@incmnsz.mx> wrote:

Good morning,

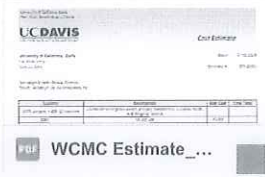
I'm Wendolyn Dávila, study coordinator in Nacional Institute of Mexico.

We performance a prospective cohort study of type 2 diabetes patients. We need metabolomic analysis of 2079 urine samples to know biomarkers involved in the progression in Chronic Kidney Disease.

Can you give us information about cost of targeted and untargeted metabolomics, please.

Thank you.

Un archivo adjunto • Analizado por Gmail





Cost Estimate

University of California, Davis
One Shields Avenue
Davis, CA 95616

Date: 7/12/2023

Estimate #: 07122023

Wendolyn Elideth Davila Olmedo
Email: wendolyn.davilao@incmnsz.mx

Quantity:	Description:	Unit Cost	Line Total
2079 samples + 208 QC samples	Combined untargeted panel: primary metabolism, complex lipids, and biogenic amines		
2287	GC-MS use	43453	
9148	LC-MS use	173812	
595.5 hours	Sample preparation	50022	
801.5 hours	Data acquisition	68128	
192 hours	Data analysis	24384	
4574	Consumables	118924	478723
		Subtotal	\$478,723
		Sales Tax	
		Total	\$478,723

Cost estimate prepared by: Scott Mackell, Metabolomics Core Project Manager
UC Davis will provide data back to the client listed above. Returned data will be electronic spreadsheets with final result data.
Raw instrument files will be kept for 1 year after project completion and will be available per request.
Method details are available any time per request.

This is a quotation on the goods named, subject to the conditions noted below: Quote is valid for 6 weeks.

**Fwd: Project inquiry**

2 mensajes

Wendolyn Elideth Davila Olmedo <wendolyn.davilao@incmnsz.mx>

27 de septiembre de 2023, 11:40

Para: Adriana Lucio Diaz <adriana.luciod@incmnsz.mx>, Ivette Cruz Bautista <ivette.cruzb@incmnsz.mx>

----- Forwarded message -----

De: **Wendolyn Elideth Davila Olmedo** <wendolyn.davilao@incmnsz.mx>

Date: mar, 11 jul 2023 a las 14:29

Subject: Re: Project inquiry

To: Gordon Irvine <girvine@metabolon.com>

Hi Gordon,

Thank you for your response and the information you provide.

We keep a total of 42 milliliters of urine from each of our patients, We keep the samples ultrafrozen.

Our research team led by Dr. Carlos Aguilar Salinas and Dra. Ivette Cruz Bautista, both researchers at the **Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Metabolic Diseases Research Unit**, in Mexico City. Where we are conducting this prospective cohort study. We are interested in obtaining financial support funds to carry out this metabolomic analysis, specifically for the global panel, so we will participate in a call for proposals.

We would like to ask you for a quotation to perform this analysis on 2079 samples.

Is this possible?

I hope your response.

Thank you.

El jue, 6 jul 2023 a las 12:01, Gordon Irvine (<girvine@metabolon.com>) escribió:

Hi Wendolyn,

Thank you for your recent inquiry. I would be happy to speak with you regarding your project. Are you available to chat anytime over the next couple of days? In the meantime, attached is a brochure with good info regarding our global, untargeted panel. See pg 5 especially for an overview of pathways covered.

Our project is a prospective cohort of type 2 diabetes of two study groups, depend that age at diagnosis (before at 40 years old and after 50 years old). The main objective is assess risk chronic complications in both groups, specific, Chronic Kidney Disease and mechanism underlying in progression of renal damage. During 3 years follow-up, We perform 4 clinical and biochemical evaluations (baseline, one, two and three year). We have a total of 2079, 24-hour urine sample (1006 of basal, 655 of one visit, 326 of two visit and 92 of three visit). Our interest is to know the metabolomics involved in the progression.

Can you give us information about cost of global discovery panel, diabetes reasearch markers target panel

and untargeted metabolomics, please.

Thank you.

The global discovery is the name for our untargeted metabolomics platform. I also have attached the tech sheet for the diabetes marker panel.

We typically recommend 150uL of urine for optimal metabolite coverage, how much volume have you collected?

Costs can vary depending on batch size and level of analysis and biological interpretation you'd prefer. To give you a ballpark, it would typically range from \$250-350/sample depending on study details and deliverable.

Hope to speak soon!

Gordon Irvine, Ph.D.

Business Development Executive
Metabolon

Dallas, TX

Phone (919) 607-7621



617 Davis Drive, Suite 100, Morrisville, NC, 27560

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Wendolyn Elideth Davila Olmedo <wendolyn.davilao@incmnsz.mx>
Para: Adriana Lucio Diaz <adriana.luciod@incmnsz.mx>

27 de septiembre de 2023, 11:48

[El texto citado está oculto]

3 adjuntos



Metabolon  image001.png
22K

ENLIGHTENING LIFE™

 **Global Assay Metabolon.pdf**
7988K

July 13, 2023

Dr. Ivette Cruz Bautista

Unidad de Investigación de Enfermedades Metabólicas
Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán

Dear Dr. Bautista,

Metabolon is pleased to provide a metabolomic analysis of your biological specimens for your proposal, "*Metabolomic, genetic, biochemical and clinical characterization of early-onset type 2 diabetes.*", under a fee-for-service arrangement, as described below.

Metabolon is an industry leader in the discovery of biomarkers through the use of metabolomics, a powerful scientific approach for the discovery and development of drugs and the early diagnosis of disease¹. Further this approach can give great mechanistic insight for compounds as well as disease states.

Metabolon's technology is currently being used to influence drug discovery and development processes by accurately measuring the spectrum of biochemical changes and mapping these changes to metabolic pathways. Metabolon's technology can identify safer compounds for development, shorten the time for drugs to get to market, identify novel biomarkers for earlier disease detection, and define mechanisms around drug action and disease state.

The work to be performed by Metabolon will include the following:

- receipt of biological specimens and logging of customer supplied sample information into a laboratory information management system,
- sample preparation, extraction of metabolites, ultra-high-performance liquid chromatography/tandem high resolution/accurate mass spectrometry in both positive and negative ion modes using a combination reverse phase and HILIC chromatography methods,
- automated peak detection, determination of relative ions concentrations, and matching of ion features to compound identities using Metabolon's patented platform system software and 5,500+ named compound reference library,
- project QA/QC and statistical analysis via a written report prepared by a Metabolon Project Leader who will be assigned for your project.

The deliverable for this mList+ project will be a data set containing the relative concentration profile of all small-molecule entities (named chemical structure), which can include endogenous compounds, xenobiotics, and their metabolites. A list of unnamed compounds will also be reported. The final curated data set can be provided in a number of formats, including Excel.

- The final cost for your ~2,079 urine sample project is \$561,330 at \$270 per sample.

This pricing is valid for 12 months from the date of the letter. Please contact Metabolon for further information. We look forward to working with you.

Philip Bocock

Philip Bocock, PhD
Business Development Executive, Population Health
¹Sreekumar *et al.* (2009) *Nature* 457:910-914

Metabolon is committed to helping you leverage the power of Metabolomics in order to achieve your research objectives. We've designed our systems, processes and deliverables to be a complete solution, resulting in actionable knowledge that drives effective decision-making. With a team of Ph.D. level biochemists, biologists and bioinformaticians, decades of institutional experience, and a Commitment to Excellence, Metabolon is fully committed to ensuring your metabolomics project is a success.

Why Collaborate with Metabolon?

- **State-of-the-Art Research Facilities**
 - Systems, process and technology to deliver the broadest coverage of metabolites in the industry
- **An Unparalleled Level of Experience**
 - >5000 studies across nearly ever research area
 - >550 Peer-reviewed publications, including top journals (Nature, Science, Cell)
 - >90 Issued patents
- **Premium Quality Systems & Processes**
 - Continuous investment, innovation and optimization of operations
- **Standardized, Scalable and Customized Solutions**
 - Services from global profiling to targeted analysis with in-depth interpretation services available
- **Dedicated to Partnerships**
 - More than 700 partners in pharma, academia, consumer goods, agriculture and government research
- **A Sustainable Business Partner**
 - Over a decade of success delivering actionable insight to drive innovative research forward