

PATIENT NAME: Marchand, Yvonne
DATE OF BIRTH: 1982- 03- 17
PATIENT ID:

SAMPLE #: 122663
INVOICE #: 232254
INVOICE DATE: 2011- 10- 24

Attn:-	Req'd by: Erika Reicher
Yvonne Marchand (PRIVATE) 503- 225 Markham St. Scarborough, ON M1J 3C6 CANADA	Catholic Children's Aid Society Toronto 1880 Birchmount Road Toronto, ON M1P 2J7 CANADA

SAMPLE RESULTS

AUTHORIZING MD: **SAMPLE RECEIVED:** 2011- 09- 29
EXTERNAL REF#: **SAMPLE COLLECTED:** 2011- 09- 28

MATRIX	DESCRIPTION	ANALYTE	RESULT	CONC.	Rpt Dt
Hair	Head, 0- 6cm from scalp end, Washed	Cannabinoids	* Positive, >	0.20 ng/mg	10/14/11
Hair	Head, 0- 3cm from scalp end, Washed	FAEE (alcohol)	^Positive, >	12.000	10/24/11

Notes: Ethyl Glucuronide = Positive 48pg/mg (see attached guide for interpretation)
 EtG determined by LC-MS/MS at United States Drug Testing Laboratories
 1700 S. Mount Prospect Road, Des Plaines, Illinois

* Previously reported ^ GC / LC-MS analyzed NSQ - Non Sufficient Quantity of sample received for analysis

CLINICAL INFORMATION | A positive neonatal hair result indicates in utero exposure to drugs during the third trimester of pregnancy.
 A positive meconium result indicates in utero exposure to drugs during the second and third trimester of pregnancy.



 Gideon Koren, MD, ABMT, FRCPC
 Director, Motherisk Program
 Division of Clinical Pharmacology & Toxicology
 Professor of Pediatrics, Pharmacology, Pharmacy and Medicine
 University of Toronto

PATIENT NAME: Marchand, Yvonne
 DATE OF BIRTH: 1982-03-17
 PATIENT ID:

SAMPLE #: 125831
 INVOICE #: 235320
 INVOICE DATE: 2012-05-03

Attn:-	Req'd by:Erika Reicher
Yvonne Marchand (PRIVATE) 503-225 Markham St. Scarborough, ON M1J 3C6 CANADA	Catholic Children's Aid Society Toronto 1880 Birchmount Road Toronto, ON M1P 2J7 CANADA

SAMPLE RESULTS

AUTHORIZING MD:
 EXTERNAL REF#:

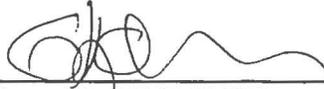
SAMPLE RECEIVED: 2012-04-11
 SAMPLE COLLECTED: 2012-04-10

TRIX	DESCRIPTION	ANALYTE	RESULT	CONC.	Rpt Dt
ir	Head, 0-6cm from scalp end, Washed	Cannabinoids	* Positive, >	0.20 ng/mg	4/26/12
ir	Head, 0-3cm from scalp end, Washed	FAEE (alcohol)	^ Positive	2.509 ng/mg	5/3/12

Notes: Ethyl Glucuronide = Positive 34 pg/mg (see attached guide for interpretation)
 EtG determined by LC-MS/MS at United States Drug Testing Laboratories
 700 S. Mount Prospect Road, Des Plaines, Illinois

Previously reported _____ ^ GC / LC-MS analyzed _____ NSQ - Non Sufficient Quantity of sample received for analysis

CLINICAL INFORMATION | A positive neonatal hair result indicates in utero exposure to drugs during the third trimester of pregnancy.
 A positive meconium result indicates in utero exposure to drugs during the second and third trimester of pregnancy.



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Interpretation of Alcohol Hair Analysis

ADULT SCALP HAIR

(updated May 2011)

- Hair analysis for alcohol is able to determine chronic (i.e. long-term), excessive alcohol use
- Chronic, excessive alcohol use (i.e. alcohol abuse) corresponds to an average consumption of 60 grams of pure ethanol (~4-6 standard drinks*) per day over several months
- Evidence of chronic alcohol abuse does not equal a diagnosis of addiction; it serves to provide information regarding average intensity of alcohol consumption by the individual
- Fatty Acid Ethyl Esters (FAEE) and ethyl glucuronide (EtG) are alcohol by-products formed in the human body after consumption of alcohol. Either EtG or FAEE are valid to be used independently for assessment of chronic excessive alcohol consumption
- FAEE are more sensitive in detecting alcohol abuse over EtG, but can be falsely elevated in hair by frequent use of ethanol-containing hair-care products. EtG is less sensitive than FAEE in detecting alcohol abuse, but is not subject to elevation by ethanol-containing hair-care products
- It is recommended to avoid use of any hair-care product containing ethanol (often listed as "Alcohol", "Denatured Alcohol", "Ethyl Alcohol") for three months prior to alcohol hair analysis.
- It is not advisable to use the results of the hair testing for alcohol markers in isolation from other evidence pertaining to alcohol consumption to determine recent drinking behaviours
- The following table provides a guide for interpretation of alcohol hair test results:

FAEE Concentration	EtG Concentration	Interpretation
> 0.50 ng/mg	> 20 pg/mg	-strong evidence of frequent excessive alcohol consumption over several months prior to hair sampling -influence of hair care products excluded
> 0.50 ng/mg	Negative (< 20 pg/mg)	-suggestive of alcohol abuse -possible social drinking -possible influence of hair care products on results**
< 0.49 ng/mg		-no evidence of excessive alcohol consumption (up to 20g of alcohol per day; ~ 2 drinks)
< 0.20 – 0.40 ng/mg		-no evidence of alcohol consumption

For further inquiries contact the Motherisk Laboratory:

Phone: 416-813-8572

Fax: 416-813-5189

*a standard drink = 1.5 ounces of liquor, one glass of wine, or one regular-sized bottle of beer

**Recommend cessation of use of any hair-care product containing ethanol for three months and submission of new sample