



# TOXICOLOGY REPORT

IMPERIAL COLLEGE LONDON, ST DUNSTAN'S RD, LONDON, W6 8RP  
Telephone: 020 3311 7108 Email: toxicologyunit@imperial.ac.uk

<b>Name:</b>	<b>YOUNG, Gaia</b>	<b>TOX No:</b>	1948/21
<b>Ref No:</b>	3343493	<b>PM Date:</b>	28/07/2021
<b>Mortuary:</b>	St. Pancras	<b>Receipt Date:</b>	04/08/2021
<b>Pathologist:</b>	Prof. M. Sheaff	<b>Report Date:</b>	24/08/2021

## Ethanol

AM Blood: Less than 10 mg/100ml

## Amphetamines

AM Blood: Not detected (Limit of detection 0.05 ug/ml)

For a list of amphetamines included in the screen, please see the back of the report.

## Morphine (free)

AM Blood: Not detected (Limit of detection 0.01 ug/ml)

Therapeutic plasma concentration : 0.04 to 0.50 ug/ml

Potentially fatal blood concentration : greater than 0.15 ug/ml

As morphine induces tolerance, there is great variation in both therapeutic and fatal concentrations. Fatalities can occur at a lower concentration if alcohol and/or benzodiazepines are also present.

**NO DRUGS DETECTED IN GENERAL SCREEN OF A.M. BLOOD  
(PTO for common drugs detected)**

## **AM BLOOD**

Typed label:

21365083 4/3/1996 UCH ED

YOUNG, GAIA Inigo (F)

>23U236337 URGENT

FBC

EDTA 4ML (Lav)

Col 18/7/2021 01:35 by 10034626 (Haem)

RD1

Signed R. Andrews  
Dr Rebecca Andrews PhD  
Deputy Head of Toxicology Unit

Samples submitted from this case will be destroyed 4 months after date of receipt unless notified otherwise in writing

**NB. THESE LISTS ARE NOT EXHAUSTIVE - THERE ARE IN EXCESS OF 300 DRUGS/METABOLITES/BREAKDOWN PRODUCTS IN OUR DATABASE**

February 2021

**COMMON DRUGS DETECTED IN GENERAL SCREEN OF BLOOD**

*These drugs are reported if present at therapeutic concentrations and above*

**Antidepressants**

Amitriptyline  
Citalopram  
Clomipramine  
Desipramine  
Dothiepin  
Fluoxetine  
Imipramine  
Mirtazapine  
Paroxetine  
Sertraline  
Thioridazine  
Trazodone  
Trimipramine  
Venlafaxine

**Antipsychotics**

Chlorpromazine  
Clozapine  
Levomepromazine  
Olanzapine  
Prochlorperazine  
Promazine  
Quetiapine

**Antihistamines**

Chlorpheniramine  
Cinnarizine  
Cyclizine  
Diphenhydramine  
Promethazine

**Opioid analgesics**

Codeine  
Dihydrocodeine  
Dipipanone  
Fentanyl  
Methadone  
Oxycodone  
Pethidine  
Propoxyphene  
Tramadol

**Anticonvulsants**

Carbamazepine  
Gabapentin  
Lamotrigine  
Oxcarbazepine  
Pregabalin

**Drugs of abuse**

Cocaine  
Ketamine

**Others**

Alfentanil  
Baclofen  
Caffeine  
Diltiazem  
Flecainide  
Lignocaine  
Memantine  
Metoclopramide  
Metronidazole  
Midazolam  
Nevirapine  
Nicotine  
Orphenadrine  
Paracetamol  
Procyclidine  
Propranolol  
Quinine  
Trihexyphenidyl

**Anxiolytics/Hypnotics**

Chlordiazepoxide  
Chlormethiazole  
Diazepam  
Zolpidem

**Markers for street heroin**

Meconin  
Acetylcodeine  
Noscapine  
Papaverine

*Includes new psychoactive substances (NPS) and "unknowns"*

**ADDITIONAL DRUGS SCREENED/MEASURED IF INCLUDED IN MEDICATION LIST**

*These drugs are not detected in the general screen at therapeutic concentrations*

**Anxiolytics/Hypnotics**

Alprazolam  
Lorazepam  
Nitrazepam  
Temazepam  
Zaleplon  
Zopiclone

**Antipsychotics**

Amisulpride  
Aripiprazole  
Haloperidol  
Risperidone  
Sulpiride

**Non-opioid analgesics**

Salicylate  
  
**NSAIDS**  
Diclofenac  
Ibuprofen  
Naproxen

**Others**

Buprenorphine  
Duloxetine  
GHB  
Metformin  
Sildenafil  
Warfarin

**ANTICONVULSANT DRUGS**

*There is no general screen for anticonvulsants, each must be specified individually*

Carbamazepine  
Clobazam  
Clonazepam

Lacosamide  
Lamotrigine  
Levetiracetam

Oxcarbazepine  
Phenytoin  
Tiagabine

Topiramate  
Valproate

**MORPHINE**

A specific screen on the blood is carried out if requested/indicated by the case history

**DRUGS DETECTED IN SCREEN OF BLOOD FOR AMPHETAMINES**

Amphetamine  
Methamphetamine  
Methylphenidate  
Methoxyphenamine

MDMA (Ecstasy)  
MDA  
MDEA (Eve)

PMMA  
PMA  
4-FMA

Mephedrone  
Ephedrine  
Pseudoephedrine

**DRUGS DETECTED IN SCREEN OF URINE FOR DRUGS OF ABUSE**

**Amphetamines**

Amphetamine  
Methamphetamine  
MDMA  
MDA  
PMMA  
PMA

**Opiates/Opioids**

6-MAM  
Codeine  
Dihydrocodeine  
Methadone  
Morphine  
Oxycodone

**Barbiturates**

Amylobarbitone  
Butobarbitone  
Pentobarbitone  
Secobarbitone

**Benzodiazepines**

Diazepam  
Desmethyldiazepam  
Lorazepam  
Oxazepam  
Temazepam

**Others**

Cocaine  
Cocaine Metabolites  
Cannabis Metabolite  
GHB  
Mephedrone  
BZP

**Markers for street heroin**

Papaverine Metabolites