

ETHYL
GLUCURONIDE

Orderable - ETGU/ GENX- samples to Dynacare

Turn Around Time: Up to 12 days

Mon./Tues. collections received in lab by 1000 will have a TAT of 7 days

Alternate Name(s):

ETG

Specimen:

Random urine

Collection Information:

Random urine, 5 mL minimum volume is required.

Reference Ranges:

Ethyl Glucuronide	
Negative	<100 µg/8.8 mmol Cre
Indeterminate	100 – 200 µg/8.8 mmol Cre
Positive	>200 µg/8.8 mmol Cre
Ethanol - Urine	
≤2.4 mmol/L	

Creatinine: 2.0 - 20.0 mmol/L

pH - Urine: 4.6 - 8.0

Special Processing:

If necessary to aliquot urine, transfer to sterile air-tight container to avoid bacterial contamination. Store and send cold or frozen.



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
LC-MS/MS (CAMH)
preferred methodology
(has a more sensitive
cutoff for positivity of
≥200 µg/8.8 mmol Cre)

Alternate Method
(Dynacare London):
Immunoassay (has a less
sensitive cutoff for
positivity of 1000 ng/mL)

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Comments:

ETG testing is available only for patients under consideration for liver transplant or follow-up. Routine testing for liver transplant is **approved** for send-out to CAMH.

Priority testing is available for initial ETG testing to allow a patient to be listed on the Transplant List. Testing by CAMH (via ICL) is preferred (notify ICL/CAMH that sample is a priority sample for Transplant Listing).

***Requires Biochemist Approval**

Parallel testing to CAMH and Dynacare is available on a case by case basis with **Biochemist Approval**:

- a quick result is required to list patient for transplant
- There is a significant TAT advantage (>6-7 days) by sending to Dynacare over CAMH
- there is low probability of alcohol use by the patient
- The patient has not been in hospital for a prolonged period of time (Patients in hospital for a prolonged period of time are assumed to have a negative ETG result, and expedited testing through Dynacare is not required).



Test Schedule:
Referred out Monday-
Thursday
Testing is performed
Fridays at CAMH



Referred Out Location:
[In-Common Laboratories](#)
(sent to CAMH)

Storage and Shipment:

Keep urine cold and send to VH referred-out bench immediately. Store and send frozen to ICL.

Samples sent to Dynacare should be refrigerated and sent with Dynacare courier ASAP.