



HOMOCYSTEINE

# Orderable - HOMOC

Turn Around Time: 5-7 days

## Alternate Name(s):

Total Homocysteine

## Specimen:

4 mL K<sub>2</sub> or K<sub>3</sub> EDTA Lavender top Vacutainer tube

**Note: Specimens not placed on ice immediately may exhibit a 10-20% increase in concentration.**

## Collection Information:

A blood sample collected in an EDTA Lavender top Vacutainer tube is required.

Minimum sample volume of 300 uL of plasma is required

Place tube on ice after collection and deliver to lab immediately to centrifuge and separate plasma from RBCs.

Freeze plasma.

Note: Specimens not placed on ice immediately may exhibit a 10-20% increase in concentration

## Reference Ranges:

Age	Reference Interval
<1 year:	3 – 10 umol/L
1-<12 years:	3 – 8 umol/L
12-<15 years: Female	4 – 10 umol/L
12-<15 years: Male	5 – 10 umol/L
>=18 years	<=14 umol/L



**Laboratory:**  
Core Lab



**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Chemiluminescent  
Microparticle  
Immunoassay



**Test Schedule:**  
Thursdays



## HOMOCYSTEINE

### Special Processing:

Do not store samples at room temperature.  
Keep Vacutainer on ice until centrifugation then freeze.  
Freeze plasma at -30° Celsius.

### Comments:

Drugs that interfere with homocysteine metabolism, e.g. nitric oxide, methotrexate, isoniazid, penicillamine and various antiepileptic drugs: carbamazepine, phenytoin, may give elevated levels of total homocysteine.