

## OVERSEAS REFERRALS

Listed below are some of the tests currently being offered by CML via **Quest Diagnostics** and **Quest Nichols Institute**  
**The fees are quoted in US\$ and a JA\$ handling charge** is also applicable.

Samples being sent overseas require special handling. It is critical that contact be made with the lab prior to sample collection.  
 Please contact our Corporate Headquarters or our Ocho Rios processing unit for instructions **prior** to sample collection

<b>Overseas Referred Tests 2014</b>	<b>SPECIMEN</b>	<b>Days of Acceptance</b>	<b>Location of acceptance</b>	<b>Stability (RF=Refrigerated / RT= Room Temp)</b>
<b>Acetylcholine Receptor Binding Antibody</b>	1ml Serum	Mon - Sat	All branches	14 days RF+RT
<b>Acetylcholine Receptor Blocking Antibody</b>	1ml Serum	Mon - Sat	All branches	14 days RF+RT
<b>ACTIN (Smooth Muscle) Antibody (IgG)</b>	1ml Serum	Mon - Sat	All branches	14 days RF+RT
<b>Aldolase</b>	2ml Serum	Mon - Sat	All branches	Frozen 14 days
<b>Aldosterone</b>	1ml Serum	Mon - Sat	All branches	(4 days RT) , 7 days RF
<b>Aldosterone</b>	Urine (24 Hour)	Mon - Sat	All branches	RF 7 days
<b>Alpha Fetoprotein Tumour Marker (AFP)</b>	1ml Serum	<b>Mon - Wed</b>	All branches	RF 5 days
<b>Alpha-1-Antitrypsin</b>	1ml Serum	Mon - Sat	All branches	RF 7 days
<b>Alpha-1-Antitrypsin</b>	10g Random Faeces	Mon - Sat	All branches	Frozen indefinite
<b>ANA Titre and Pattern</b>	1ml Serum	Mon - Sat	All branches	RF 7 days
<b>ANCA Screen with Reflex Titer</b>	1ml Serum	Mon - Sat	All branches	RF 14 days
<b>Androstenedione</b>	1ml Serum	Mon - Sat	All branches	(RT 14), RF 26 days
<b>Angiotensin Converting Enzyme (ACE)</b>	1ml Serum	Mon - Sat	All branches	RF 7 days
<b>Anti- Mullerian Hormone</b>	1ml Serum	Mon - Sat	All branches	Frozen 30 days
<b>Antithrombin III Activity</b>	2ml Plasma (Light Blue Top)	Mon - Sat	All branches	Frozen 21 days
<b>Antithrombin III Antigen</b>	1ml Plasma (Light Blue Top)	Mon - Sat	All branches	Frozen 21 days
<b>Amniotic Fluid (Chromosome Analysis)</b>	Amniotic Fluid	<b>Mon - Thur</b>	<b>Kingston only</b>	<b>Same day referral</b>
<b>Benzene</b>	Whole Blood (Green or Royal Blue Top)	Mon - Sat	All branches	RF 14 days (Frozen 21 days)
<b>(B2-Glyco IgG) Beta-2-Glycoprotein 1 Antibody (IgG)</b>	1ml Plasma (light blue top)	Mon - Sat	All branches	RF 14 days (Frozen 30 days)
<b>(B2-Glyco IgG) Beta-2-Glycoprotein 1 Antibody (IgM)</b>	1ml Plasma (light blue top)	Mon - Sat	All branches	RF 14 days (Frozen 30 days)
<b>Beta-2-Microglobulin</b>	1ml Serum	Mon - Sat	All branches	(RT 5 days), RF 7 days
<b>Beta-2-Microglobulin</b>	20ml Random Urine	Mon - Sat	All branches	Frozen 1 yr, (RF 7 days)
<b>Bk Virus DNA, QN, PCR</b>	20ml Random Urine	Mon - Sat	All branches	RF 7 days (Frozen 30 days)
<b>(Bkv Pcr, Quant) Bk Virus DNA, QN, PCR</b>	2ml Plasma (purple top)	Mon - Sat	All branches	RF 7 days (Frozen 30 days)

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<b>CA 15-3</b>	1ml Serum	Mon - Sat	All branches	RF 7 days
<b>CA 19-9</b>	1ml Serum	Mon - Sat	All branches	RF 7 days
<b>CA 125</b>	1ml Serum	Mon - Sat	All branches	RF 7 days
<b>CA 27.29</b>	1ml Serum	Mon - Sat	All branches	RF 7 days
<b>Cardiolipin Antibodies (Anticardiolipin Antibodies)</b>	2ml Plasma (Light Blue Top)	Mon - Sat	All branches	RF 7 days
<b>Cardiolipin IGG AB/Cardiolipin IGM AB</b>		Mon - Sat	All branches	RF 7 days
<b>CD4</b>	Whole Blood (Yellow Top and Purple Top)	<b>Mon - Thur</b>	<b>Kingston only</b>	<b>Same day shipment</b>
<b>CEA</b>	1ml Serum	Mon - Sat	All branches	(RT 7 days) , RF 30 days
<b>(Centromere AB, EIA) Centromere B Antibody</b>	1ml Serum	Mon - Sat	All branches	(RF 7 days), Frozen 30 days
<b>Ceruloplasmin</b>	1ml Serum	Mon - Sat	All branches	(RT 7 days) RF 60 days
<b>(CF- Carrier Screen) Cystic Fibrosis Carrier Screen</b>	10ml Whole blood (purple top)	Mon - Sat	All branches	(RT 8 days) RF 8 days
<b>Chromogranin A</b>	1ml Serum	Mon - Sat	All branches	(RT 7 days), RF 7 days
<b>Citrate</b>	Urine (24 Hour)	Mon - Sat	All branches	RF 30 days
<b>(Coccidio AB,ID) Coccidioides AB, Immunodiffusion</b>	1ml serum	Mon - Sat	All branches	(RT 7 days), RF 14 days
<b>Cold Hemagglutinins</b>	3ml Serum	Mon - Sat	All branches	(RT 14 days), RF 28 days
<b>Complement Comp C1Q</b>	1ml Serum	Mon - Sat	All branches	(RT 4 days), RF 10 days
<b>Cryptococcal Antigen</b>	2ml Serum / CSF 1ml	<b>Mon - Wed</b>	All branches	(RF 72hrs), Frozen 60 days
<b>Cyclic Citrullinated Peptide (CCP) Antibody IGG</b>	1ml Serum	Mon - Sat	All branches	RF 7 days
<b>(DAP 10-50) Drug Abuse Panel 10-50</b>	60ml Random urine	Mon - Sat	All branches	RF 7 days
<b>Amphetamines</b>				
<b>Barbituates</b>				
<b>Benzodiazepine</b>				
<b>Cocaine Metabolites</b>				
<b>Marijuana Metabolites</b>				
<b>Methadone</b>				
<b>Methagualone</b>				
<b>Opiates</b>				
<b>Phencyclidine</b>				
<b>Propoxyphene</b>				

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<b>D-Dimer QN</b>	1ml Plasma (light blue top)	Mon - Sat	All branches	Frozen 30 days
<b>(EBV DNA QT,PCR) Epstein -Barr Virus (EPV) DNA Quant</b>	3ml whole blood / 1ml Plasma (Purple top)	Mon - Sat	All branches	RF 8 days
<b>Endomysial IGA AB</b>	1ml Serum	Mon - Sat	All branches	RF 14 days
<b>Erythropoietin</b>	1ml Serum	Mon - Sat	All branches	(RT 10 days), RF 14 days
<b>Estriol</b>	1ml Serum	Mon - Sat	All branches	RF 14 days
<b>Estrogen</b>	3ml Serum	Mon - Sat	All branches	Frozen (-20 °C) 2 years
<b>Factor V Leiden</b>	5ml Whole Blood (Purple Top)	<b>Mon - Thur</b>	<b>Kingston only</b>	<b>Same day shipment</b>
<b>Factor X Chromogenic</b>	2ml Plasma (light blue top)	Mon - Sat	All branches	Frozen 21 days
<b>First Trimester SCR</b>	2ml Serum	Mon - Sat	All branches	(RT 7 days), RF 7 days
<b>Gastrin</b>	2ml Serum (fasting)	Mon - Sat	All branches	Frozen 28 days
<b>(Gliadin AB IGG) Gliadin (Deamidated Peptide) Antibody IgG</b>	1ml Serum	Mon - Sat	All branches	(RT 4 days), RF 7 days
<b>(Gliadin IGA) Gliadin (Deamidated Peptide) Antibody IgA</b>	1ml Serum	Mon - Sat	All branches	(RT 4 days), RF 7 days
<b>Glutamic Acid Decarboxylase (GAD)</b>	1ml Serum	Mon - Sat	All branches	RF 7 days
<b>(HBV DNA Quant) Hepatitis B Virus DNA Quant</b>	3ml Plasma (purple top)	Mon - Sat	All branches	Frozen 42 days
<b>Human Growth Hormone (HGH)</b>	1ml Serum (fasting)	Mon - Sat	All branches	(RT/RF 7days), Frozen 28days
<b>Histone Antibody</b>	1ml Serum (fasting)	Mon - Sat	All branches	RF 7 days
<b>HIV- 1 RNA, Quantitative, PCR 1st Generation (Viral Load)</b>	3ml Plasma (Purple Top)	Mon - Sat	All branches	Frozen 42 days
<b>HIV Virtual PHEN</b>		Mon - Sat	All branches	Frozen 90 days
<b>HLA Class 1 (A,B,C) DNA Typing</b>	10ml Whole Blood (Yellow Top)	<b>Mon - Wed</b>	All branches	RF 7 days
<b>HLA-B27 Antigen</b>	10ml Whole Blood (Yellow Top)	<b>Mon - Thur</b>	<b>Kingston only</b>	<b>Same day shipment</b>
<b>Homocysteine Cardiovascular</b>	1ml Serum (fasting)	Mon - Sat	All branches	(RT 4 days), RF 14 days
<b>Homocysteine, Nutritional and Congenital</b>	1ml Serum (fasting)	Mon - Sat	All branches	(RT 4 days), RF 14 days
<b>HTLV -1/11 West Blot</b>		Mon - Sat	All branches	(RT 8 hours), RF 7 days
<b>17-OH-Progesterone</b>	1ml Serum	Mon - Sat	All branches	RF 7 days
<b>IGF Binding Protein-3 (IGFBP -3)</b>	1ml Serum	Mon - Sat	All branches	RF 14 days
<b>IGG Synthesis Rate/Index</b>	1ml Serum & CSF	Mon - Sat	All branches	RF 7 days

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<b>Immunofixation, Serum</b>		Mon - Sat	All branches	RF 7 days
<b>Immunoglobulin E (IgE)</b>	1ml Serum	Mon - Sat	All branches	(RT 14 days), RF 14 days
<b>Insulin</b>		Mon - Sat	All branches	RF 8 days
<b>Insulin-Like Growth Factor I (IGF1, ECL)</b>	1ml Serum	<b>Mon - Wed., Sat</b>	<b>Kgn only on Sat</b>	<b>RF 5 days</b>
<b>Insulin-Like Growth Factor II(IGF2, ECL)</b>	1ml Plasma (Purple Top)	<b>Mon - Wed., Sat</b>	<b>Kgn only on Sat</b>	<b>RF 5 days</b>
<b>Intrinsic Factor Blocking Antibody</b>	1ml Serum	Mon - Sat	All branches	(RT 7 days), RF 7 days
<b>Lead</b>	3ml Whole blood (Royal Blue Top)	Mon - Sat	All branches	RF 14 days
<b>Leptin</b>	1ml Serum	Mon - Sat	All branches	RF 14 days
<b>Lyme Disease (IgG &amp; IgM)</b>	2ml Serum	Mon - Sat	All branches	RF 7 days
<b>Maternal Serum Quad Marker</b> [includes Alpha Fetoprotein (AFP) Chorionic	3ml Serum	Mon - Sat	All branches	(RT 7 days), RF 7 days
<b>Maternal Serum Triple Marker</b> [includes Alpha Fetoprotein (AFP) Chorionic	3ml Serum	Mon - Sat	All branches	(RT 7 days), RF 7 days
<b>Mercury, Blood</b>	7ml Whole Blood (Royal Blue Top)	Mon - Sat	All branches	(RT 5 days), RF 7 days
<b>Mercury, Urine</b>	20ml Random Urine Acid wash container	<b>Mon - Wed., Sat</b>	<b>Kgn only on Sat</b>	<b>RF 5 days</b>
<b>Metanephrines, Fractionated</b>	Plasma	Mon - Sat	All branches	RF 14 days
<b>(Metanph 24 HR Urine) Metanephrines, Fractionated</b>	24hr Urine	Mon - Sat	All branches	(RT 7 days), RF 8 days
<b>Methotrexate</b>	1ml Serum	<b>Mon - Wed., Sat</b>	<b>Kgn only on Sat</b>	<b>Frozen 5 days</b>
<b>Methylmalonic Acid</b>	2ml Serum	Mon - Sat	All branches	(RT 4 days), RF 7 days
<b>Mitochondrial Antibody</b>	1ml Serum	Mon - Sat	All branches	(RT 7 days), RF 14 days
<b>Methylenetetrahydrofolate Reductase (MTHFR) DNA Mutation</b>	5mls Whole blood (purple top)	Mon - Sat	All branches	(RT 8 days), RF 8 days
<b>Myelin Basic Protein</b>	2ml CSF	Mon - Sat	All branches	(RT 7 days), RF 14 days
<b>Myoglobin</b>	2ml Serum	Mon - Sat	All branches	(RT 7 days), RF 14 days
<b>Myoglobin</b>	20ml Random Urine	Mon - Sat	All branches	Frozen 30 days
<b>(N –Telopeptide) Collagen Cross-Linked N –Telopeptide (NTX)</b>	20ml of second morning urine passed	<b>Mon - Wed., Sat</b>	<b>Kgn only on Sat</b>	<b>RF 5 days</b>
<b>Neuromyelitis Optica (NMO) IgG Auto Antibody</b>	2ml Serum	Mon - Sat	All branches	RF 14 days
<b>Oligoclonal Bands</b>	1ml Serum & CSF 1ml	<b>Mon - Wed., Sat</b>	<b>Kgn only on Sat</b>	<b>RF 5 days</b>
<b>Osmolality</b>	1ml Serum	Mon - Sat	All branches	(RT 7 days), RF 7 days
<b>Osmolality</b>	20ml Random Urine	Mon - Sat	All branches	(RT 7 days), RF 14 days
<b>Oxalic Acid,24HR (U)</b>	24hr Urine	Mon - Sat	All branches	(RT 6 days), RF 7 days

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<b>Oxcarbazepine (10 - Hydroxycarbazepine)</b>	1ml Serum	Mon - Sat	All branches	RF 14 days
<b>Parietal Cell Antibody</b>	1ml Serum	Mon - Sat	All branches	(RT 4 days), RF 7 days
<b>Phenbarbital</b>	1ml Serum	Mon - Sat	All branches	(RT 5 days), RF 7 days
<b>Phenol (Phenol Exposure, U)</b>	Random Urine	Mon - Sat	All branches	(RF 7 days) Frozen 30days
<b>(PRA LC/MS/MS) Renin</b>	2ml Plasma (purple top)	Mon - Sat	All branches	Frozen 28 days
<b>Proinsulin</b>	1ml Serum (fasting)	Mon - Sat	All branches	Frozen 6 months
<b>Protein C, Activity</b>	1ml Plasma (Light Blue Top)	Mon - Sat	All branches	Frozen 14 days
<b>Protein C, Antigen</b>	1ml Plasma (Light Blue Top)	Mon - Sat	All branches	Frozen 14 days
<b>Protein S, Activity</b>	1ml Plasma (Light Blue Top)	Mon - Sat	All branches	Frozen 30 days
<b>Protein S, Antigen</b>	1ml Plasma (Light Blue Top)	Mon - Sat	All branches	Frozen 30 days
<b>Rapamycin (Sirolimus)</b>	2ml Whole Blood (Purple Top)	<b>Mon - Wed.</b>	All branches	(RT 5 days), RF 7 days
<b>Ristocetin Cofactor</b>	2ml Plasma (Light Blue Top)	Mon - Sat	All branches	Frozen 30 days
<b>Scleroderma Antibody (Scl-70)</b>	1ml Serum	Mon - Sat	All branches	(RT 4 days), RF 7 days
<b>Serotonin, Serum</b>	4ml Serum	Mon - Sat	All branches	Frozen 42 days
<b>Sex Hormone Binding Globulin (SHBG)</b>	1ml Serum	Mon - Sat	All branches	(RT 7 days), RF 7 days
<b>Sm &amp; Sm/RNP Antibodies</b>	1ml Serum	Mon - Sat	All branches	(RT 4 days), RF 7 days
<b>Smooth Muscle Antibody</b>	1ml Serum	Mon - Sat	All branches	(RT 4 days), RF 7 days
<b>SSA &amp; SSB (Sjogren's)</b>	1ml Serum	Mon - Sat	All branches	(RT 4 days), RF 7 days
<b>Tacrolimus (FK506)</b>	1ml Whole Blood (Purple Top)	<b>Mon - Wed.</b>	All branches	(RT 7 days), RF 7 days
<b>T - Cell Receptor (TCR) Gene Rearrangement</b>	5ml Whole Blood (Purple Top)	Mon - Sat	All branches	(RT 7 days), RF 14 days
<b>Thyroglobulin Antibody</b>	1ml Serum	Mon - Sat	All branches	(RT 14 days), RF 14 days
<b>Thyroglobulin Panel</b>	2ml Serum	Mon - Sat	All branches	(RT 14 days), RF 14 days
Thyroglobulin				
Thyroglobulin Antibody				
<b>Thyroid Antibodies</b>	1ml Serum	Mon - Sat	All branches	(RT 4 days), RF 14 days
<b>Thyroid Peroxidase Antibody</b>	1ml Serum	Mon - Sat	All branches	(RT 4 days), RF 14 days
<b>Topiramate</b>	1ml Serum	Mon - Sat	All branches	(RT 7 days), RF 14 days
<b>Toxocara Antibody</b>	1ml Serum	Mon - Sat	All branches	(RT 7 days), RF 14 days

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<b>Valproic Acid</b>	1ml Serum	Mon - Sat	All branches	(RT 5 days), RF 7 days
<b>Viral Load (HIV-1 RNA, Quantitative, PCR, 1st Generation)</b>	3ml Plasma (Purple Top)	Mon - Sat	All branches	Frozen 42 days
<b>Vitamin A (Retinol)</b>	2ml Serum	Mon - Sat	All branches	RF 7 days
<b>Vitamin B1 (Thiamine)</b>	3ml Whole Blood (Purple Top)	Mon - Sat	All branches	Frozen 5 weeks
<b>Vitamin B2 (Riboflavin)</b>	3ml Plasma (Purple Top)	Mon - Sat	All branches	Frozen 30 days
<b>Vitamin B6 (Pyridoxine)</b>	1ml Plasma (Purple Top)	Mon - Sat	All branches	Frozen 6 days
<b>Vitamin C (Ascorbic Acid)</b>	2ml Serum	Mon - Sat	All branches	Frozen 28 days
<b>Vitamin D, 1,25-Dihydroxy</b>	2ml Serum	Mon - Sat	All branches	(RT 28 days), RF 28 days
<b>Vitamin D, 25-Hydroxy</b>	1ml Serum	Mon - Sat	All branches	(RT 21 days), RF 21 days
<b>Von Willerbrand Factor Antigen</b>	2ml plasma (light blue top) fasting	Mon - Sat	All branches	
<b>Von Willerbrand Antigen, Multimeric Analysis</b>	2ml Plasma (Fasting)	Mon - Sat	All branches	Frozen 6 weeks
<b>Zinc</b>	2ml Plasma (Royal Blue Top)	Mon - Sat	All branches	(RT 5 days), RF 10 days

The test is charged in Ja.\$ but is performed overseas. No handling charge is applicable.

<b>CALCULUS/ Stone Analysis</b>	
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All branches	
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RF= Refrigerated / RT= Room Temp.