

Roy Romanow Provincial Laboratory Chemistry Immunoserology Collection Guidelines

All of the following **RRPL** lab tests or combination of tests below can be done on a **single 13 x 100 mm x 5.0 mL gold top SST** if tube is full and sample is not hemolysed.

ANA (incl. ENA & Anti-DNA)	Hepatitis A IgM	Mumps
ANCA (Vasculitis)	Hepatitis A IgG	Parvovirus
Anti-CCP	Hepatitis B Core Total	Prenatal/Immunity Panel (Rubella IgG, Syphilis, HBsAg, HCV, HIV)
Antistreptolysin (ASO)	Hepatitis B surface antibody	Progesterone
C3 Complement	Hepatitis B surface antigen	Prolactin
C4 Complement	Hepatitis C antibody	Rheumatoid factor
Celiac panel	HIV Ag/Ab Screen	Rubella
Ceruloplasmin	HSV – 1 & 2 (IgG only)	SHBG/FAI
Cortisol	HTLV 1/2	Syphilis
CRP-High Sensitivity (hsCRP)	IgA	Testosterone
Cytomegalovirus	IgG	Thyroid antibodies (Microsomal TPO & Thyroglobulin autoantibody)
DHEA-SO4	IgM	Toxoplasmosis
Epstein-Barr Virus (EBV)	Iron Studies (Iron, Transferrin, Ferritin)	TSH
Estradiol	LH/FSH	Varicella zoster (VZV)
Ferritin	Lyme Disease	Vitamin B12
Free T3	Magnesium: Serum	Vitamin D
Free T4	Measles	West Nile Virus

The following require the collection of **separate tubes with an aliquot for each test** because of special handling or collection. For a complete list of handling instructions, please refer to the RRPL compendium online at <https://rrpl-testviewer.ehealthsask.ca/>

Frozen Samples: (Please indicate sample type on requisition)		
17-OH (hydroxy) progesterone - 2 mL Serum (SST) or 2 mL Plasma (EDTA/heparin)	Free/Total Carnitine - 1 mL Plasma (heparin) or 1 mL Serum (non-SST)	iPTH - 1 mL Plasma (EDTA/heparin) or 1 mL Serum (non-SST)
ACTH - 1 mL Plasma (EDTA)	Homocysteine - 1 mL Plasma (EDTA/heparin) or 1 mL Serum (SST)	Methylmalonic Acid -1 mL Serum (non-SST) or 1 mL Plasma (heparin)
Aldosterone & Renin – 2 mL Plasma (EDTA)	Human Growth Hormone (HGH) - 1 mL Serum (SST)	Mycoplasma pneumonia IgM- 2mL Serum (SST)
Androstenedione - 1 mL Serum (SST)	Insulin (fasting) - 1 mL Serum (SST) or 1 mL Plasma (heparin)	N-Terminal pro-Brain Natriuretic Peptide (NT pro BNP) – 1mL Serum (SST) or 1mL Plasma (EDTA/heparin)
C-Peptide - 1 mL Serum (SST) or 1 mL Plasma (EDTA/heparin)	Insulin-Like Growth Factor 1 (IGF-1) – 2mL Serum (SST)	Thyroglobulin Level - 1 mL Serum (SST)
Other Special Handling or Collection Requirements:		
VDRL CSF only - 1 mL Cerebrospinal Fluid (CSF)		
Do not use serum separator vacutainer (SST) for therapeutic drug monitoring.		