

**CENTRAL LABORATORY ACCREDITATION CERTIFICATE**

**Laboratory:** LifeLabs Medical Laboratory Services  
**Site:** 103 -- Toronto Research Hospital, Toronto, ON, Canada  
**Protocol:** NVX-1218.22  
**Accreditation Body:** CAP / ISO 15189 / UKAS  
**Certificate Date:** 2024-06-01  
**Valid Until:** 2025-06-01

**Certified Tests**

| Test Category | Tests Included  | Method                 | Accredited |
|---------------|---|------------------------|------------|
| Haematology   | CBC, WBC differential, Platelets                      | Automated analyser     | Yes        |
| Chemistry     | LFTs (ALT, AST, ALP, Bili), Creatinine, eGFR, Glucose | Photometric            | Yes        |
| Coagulation   | PT, APTT, INR   | Optical clot detection | Yes        |
| Immunology    | ANA, anti-dsDNA, CRP, ESR                             | ELISA / nephelometry   | Yes        |
| Endocrine     | TSH, Free T4, cortisol                                | ECLIA                  | Yes        |
| Urinalysis    | Dipstick, microscopy                                  | Automated              | Yes        |

**Normal Ranges (Selected -- NVX-1218.22 Protocol)**

**ALT:** 7-56 U/L (males), 7-45 U/L (females)  
**AST:** 10-40 U/L  
**Creatinine:** 62-106 umol/L (males), 44-80 umol/L (females)  
**Haemoglobin:** 130-175 g/L (males), 120-160 g/L (females)  
**Platelets:** 150-400 x10^9/L  
**Neutrophils:** 1.8-7.5 x10^9/L

**Laboratory Director**

**Director:** Dr. Lab Director -- LifeLabs Medical Laboratory Services  
**Qualifications:** PhD, FIBMS, FRCPath

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Laboratory Director Signature