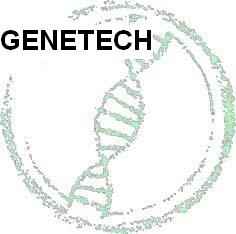
GENETECH



molecular diagnostics

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CODE** | | **TEST NAME** | **SPECIMEN** | | | **REPORTING**  **TIME** | | | | | **PRICE (SLR)** | |
| **Viral diseases** | | | | | | | | | | | | |
| ADV | | Adenovirus genome detection by PCR | 1-2 ml of whole blood, Throat swabs, Stools, Urine | | | | 2 days | | | 4500 | | |
| AVINF | | Avian influenza virus detection by RT-PCR | Nasal swab, Throat swab, Nasopharyngeal aspirate | | | | 7-36 hrs | | | 4500 | | |
| CHIK | | Chikungunya virus detection by RT-PCR | 1-2 ml blood for serum/plasma | | | | 7-36 hrs | | | 3850 | | |
| CMV | | Cytomegalovirus (HHV5) genome detection by PCR | 1-2ml of whole blood, Minimum of 0.1 ml CSF, 250 mg of biopsy tissue, Urine | | | | 2 days | | | 3850 | | |
| DEN | | Dengue virus genome detection by RT-PCR | 1-2 ml blood for serum/plasma | | | | 7-36 hrs | | | 3850 | | |
| ENTV | | Enterovirus genome detection by RT-PCR (Poliovirus, Coxsackie viruses, Echovirus, New Enteroviruses) | Any biological sample | | | | 2 days | | | 4500 | |  |
| JE | | Japanese encephalitis virus detection by RT-PCR | Minimum of 0.1 ml CSF | | | | 2 days | | | 4500 | | 4200  × 3 |
| HSV | | Herpes simplex virus (HHV1/2) genome detection by PCR | Any biological sample | | | | 2 days | | | 4500 | |  |
| EPST | | Epstein-Barr virus (HHV4) detection by PCR | Any biological sample | | | | 2 days | | | 4500 | | |
| FLAV | | Flavi virus genome detection by RT-PCR | Minimum of 0.1 ml CSF, 1-2 ml blood for serum/plasma | | | | 7-36 hrs | | | 4500 | | |
| H1N1 | | Pandemic (H1N1) 2009 virus detection by RT-PCR | Respiratory specimens – Nasal, Nasopharyngeal and Throat swabs **preferred** | | | | 7-36 hrs | | | 4500 | | |
| HBV | | Hepatitis B virus genome detection by PCR | 1-2 ml blood for serum/plasma **preferred**, Tissue | | | | 3 days | | | 4500 | | |
| HCV | | Hepatitis C virus genome detection by RT-PCR | 1-2 ml blood for serum/plasma **preferred** | | | | 3 days | | | 4500 | | |
| HCVTP | | Hepatitis C virus genotype detection by RT-PCR followed by DNA sequencing | 1-2 ml blood for serum/plasma **preferred** | | | | 3 weeks | | | 7500 | | |
| HIV | | Human Immunodeficiency virus -1 (Qualitative) detection by RT-PCR | 1-2 ml of blood for serum/plasma | | | | 2 days | | | 6500 | | |
| HPV | | Human Papillomavirus genome detection by PCR | Vaginal swab, Penile swab | | | | 2 days | | | 4500 | | |
| HZV / VZV | | Herpes zoster virus / Varicella zoster virus (HHV3) genome detection by PCR | 1-2 ml of whole blood, Minimum of 0.1 ml CSF, Vesicle fluid (first 3 days after rash), Vesicle swab, Tissue, Skin scrapings (all samples in sterile saline in ice) | | | | 2 days | | | 4500 | | |
| INFA | | Influenza A viral genome detection by RT PCR | Respiratory specimens - Nasal and Throat swabs **preferred**, Nasopharyngeal aspirates, Broncho Alveolar Lavage, Tracheal aspirates | | | | 2 days | | | 4500 | | |
| INFB | | Influenza B viral genome detection by RT PCR | Respiratory specimens - Nasal and Throat swabs **preferred**, Nasopharyngeal aspirates, Broncho Alveolar Lavage, Tracheal aspirates | | | | 2 days | | | 4500 | | |
| MESL | | Measles virus genome detection by PCR | Oral fluid, Urine, Throat swab, Whole blood | | | | 2 days | | | 4500 | | |
| PAVO | | Parvovirus B19 genome detection by PCR | Any biological sample from the suspected site of infection | | | | 2 days | | | 4500 | | |
| PI1 | | Para influenza 1 genome detection by RT PCR | Respiratory specimens - Nasal and Throat swabs **preferred**, Nasopharyngeal aspirates, Broncho Alveolar Lavage, Tracheal aspirates | | | | 2 days | | | 4500 | | |
| PI2 | | Para influenza 2 genome detection by RT PCR | Respiratory specimens - Nasal and Throat swabs **preferred**, Nasopharyngeal aspirates, Broncho Alveolar Lavage, Tracheal aspirates | | | | 2 days | | | 4500 | | |
| PI3 | | Para influenza 3 detection by RT PCR | Respiratory specimens - Nasal and Throat swabs **preferred**, Nasopharyngeal aspirates, Broncho Alveolar Lavage, Tracheal aspirates | | | | 2 days | | | 4500 | | |
| RSV | | Respiratory syncitial virus detection by RT PCR (HRSV) | Respiratory specimens - Nasal and throat swabs **preferred**, Nasopharyngeal aspirates, Broncho Alveolar Lavage, Tracheal aspirates | | | | 2 days | | | 4500 | | |
| RUBL | | Rubella viral genome detection by RT PCR | Throat swabs **preferred,** Nasal swabs, Urine, 1-2 ml of Whole blood, Minimum of 0.1 ml CSF | | | | 2 days | | | 4500 | | |
| SARS | | SARS virus Detection by RT PCR | Respiratory specimens – Nasal, Nasopharyngeal and Throat swabs **preferred** | | | | 2 days | | | 4500 | | |
| **Bacterial and other infectious diseases** | | | | | | | | | | | | |
| BRUC | *Brucella spp. g*nome detection by PCR | | | Up to 7 days after clinical onset 1-2 ml Whole blood, 0.5 ml of CSF, Tissue, Urine | | | | 3 days | 4500 | | | |
| CAMP | *Campylobacter* spp. genome detection by PCR | | | Stools (faeces) | | | | 3 days | 4500 | | | |
| CAND | *Candida SPP. g*enome detection by PCR | | | Any biological sample | | | | 3 days | 4500 | | | |
| CANDA | *Candida albicans* genome detection by PCR | | | Any biological sample | | | | 3 days | 4500 | | | |
| CANDG | *Candida glabrata* genome detection by PCR | | | Any biological sample | | | | 3 days | 4500 | | | |
| CANDP | *Candida parapsilosis* genome detection by PCR | | | Any biological sample | | | | 3 days | 4500 | | | |
| CANDT | *Candida tropicalis* genome detection by PCR | | | Any biological sample | | | | 3 days | 4500 | | | |
| CHLM | *Chlamydia trachomatis* genome detection by PCR | | | Vaginal swab, Urogenital swab, Vesicle fluid or cells from base of ulcer, Conjunctive, Urine, Nasopharyngeal swabs or any suspected site, | | | | 3 days | 4500 | | | |
| CPNEU | *Chlamydia pneumoniae* genome detection by PCR | | | 1 – 2 ml Sputum, Throat swabs | | | | 3 days | 4500 | | | |
| CHOL | *Vibrio cholerae* genome detection by PCR | | | Stools (faeces) | | | | 3 days | 4500 | | | |
| ENTB | *Enterobacter* spp. genome detection by PCR | | | Any biological sample | | | | 3 days | 4500 | | | |
| FIL | *Wuchereria bancrofti* genome detection by PCR | | | 1ml night whole blood, 1ml hydrocele fluid, 5ml Chyluria | | | | 3 days | 4500 | | | |
| GONO | *Neisseria gonorrhoea* genome detection by PCR | | | Urogenital Specimen, Vaginal discharge, Rectal specimen, Urine | | | | 3 days | 4500 | | | |
| HEIN | *Haemophilus influenzae* genome detection by PCR | | | Any biological sample | | | | 3 days | 4500 | | | |
| HELI | *Helicobacter pylori*  genome detection by PCR | | | 200 mg gastric biopsy, 5 ml gastric aspirate | | | | 3 days | 4500 | | | |
| LEGL | *Legionella* spp. genome detection by PCR | | | Respiratory Specimens | | | | 3 days | 4500 | | | |
| LEI | *Leishmania* spp. genome detection by PCR | | | **For suspected visceral** **Leishmaniasis** ; 0.5-1 ml lymph node aspirate, 0.5-1 ml bone marrow, 0.5-1ml spleen aspirate, 1-2ml blood , 0.1ml Culture.  **For suspected cutaneous Leishmaniasis** ; 0.1-0.5 ml of lesion aspirate, Skin biopsy, Ulcer or nodule, 0.1ml Culture. | | | | 3 days | 4500 | | | |
| LEPT | *Leptospira* spp. genome detection by PCR | | | 1-2 ml Whole blood- Up to 7 days after clinical onset, Urine- after 10 to14 days from clinical onset. | | | | 3 days | 4500 | | | |
| MAL | MALP*- Plasmodium* spp. genome detection by PCR | | | 1-2 ml whole blood (collect after 2-3 hours of the fever peak), 0.5 ml of CSF, Tissue | | | | 3 days | 4500 | | | |
| MALPF-*Plasmodium falciparum* detection by PCR | | | 3 days |
| MALPV*-Plasmodium vivax* detection by PCR | | | 3 days |
| MRSA | Methicillin Resistant Staphylococcus Aureus | | | Any biological sample | | | | 2 days | 4500 | | | |
| MYCO | *Mycoplasma spp.* genome detection by PCR | | | Any biological sample | | | | 3 days | 4500 | | | |
| MYCOPN | *Mycoplasma pneumoniae* genome detection by PCR | | | Respiratory specimens, 1-2 ml Whole blood | | | | 3 days | 4500 | | | |
| PNEU | *Pneumocystis carinii* genome detection by PCR | | | 1-2 ml Sputum, Broncho Alveolar Lavage | | | | 3 days | 4500 | | | |
| SALM | *Salmonella* *enterica* sub species *enterica* genome detection by PCR | | | Any biological sample | | | | 3 days | 4500 | | | |
| SALMO | *Salmonella* spp genome detection by PCR | | | Any biological sample | | | | 3 days | 4500 | | | |
| STAP | *Staphylococcus* spp. genome detection by PCR | | | Any biological sample, culture, swabs | | | | 3 days | 4500 | | | |
| STREP | *Streptococcus pneumoniae* genome detection by PCR | | | Any biological sample | | | | 3 days | 4500 | | | |
| SYPL | Syphilis (*Treponema pallidum*) genome detection by PCR | | | 1-2 ml of Whole blood, 0.5 ml of CSF, Amniotic fluid, Genitourinary ulcer specimens | | | | 3 days | 4500 | | | |
| TB | *Mycobacterium tuberculosis* genome detection by PCR | | | Any biological sample from the suspected site of infection. Blood and blood mix samples must be sent with an anticoagulant (EDTA or ACD, **NOT HAPARIN),** Culture samples. | | | | 3 days | 3850 | | | |
| TOXO | *Toxoplasma gondii* genome detection by PCR | | | 3 ml Amniotic fluid, 3 ml Body fluid, 0.4-1.0 ml CSF, 0.1-0.5 ml Ocular fluid, 1 ml Whole blood, 1 ml Bone marrow, 6-10 ml Urine | | | | 3 days | 4500 | | | |
| TRIC | *Trichomonas vaginalis* genome detection by PCR | | | Vaginal discharge, Urogenital discharge (swabs), Urine from males – morning first sample. | | | | 3 days | 4500 | | | |
| WHOP | whooping cough –*Bordetella pertusis* detection by PCR | | | Nasopharyngeal swabs | | | | 3 days | 4500 | | | |
| YERS | *Yersinia enterolitica* genome detection by PCR | | | Stools (faeces), 1-2 ml whole blood, Lymph nodes | | | | 3 days | 4500 | | | |
| UNIFUN | Universal fungal-detection of any fungal species | | | Any biological sample | | | | 3 days | 4500 | | | |
| UNIMYCO | Mycobacterium spp. Detection by PCR | | | Any biological sample from the suspected site of infection. Blood and blood mix samples- with an anticoagulant (EDTA or ACD, **NOT HAPARIN**)**,** Cultures. | | | | 2 days | 4500 | | | |
| **Genetic disorders** | | | | | | | | | | | | |
| **\***EDS | | *Edwards Syndrome (Trisomy 18) detection by PCR* | | | 3ml of whole blood, | | | 2 weeks | | | 5500 | |
| DMD | | Duchenne Muscular Dystrophy – 19 Deletion prone exons of the Dystrophin gene will be tested by PCR | | | 3 ml of whole blood | | | 1 week | | | 6500 | |
| **\*** DS | | Down Syndrome (Trisomy 21) detection by PCR | | | 3 ml of whole blood | | | 2 weeks | | | 5500 | |
| **\*** KLIN | | Kleinfelter Syndrome (detection of XXY) by PCR | | | 3 ml of whole blood | | | 2 weeks | | | 5500 | |
| HEMO | | Hemochromatosis (C282Y, H63D and S65C) detection by PCR | | | 3ml of whole blood, | | | 1 week | | | 5500 | |
| **\*** PATA | | Patau Syndrome (Trisomy 13) detection by PCR | | | 3ml of whole blood, | | | 2 weeks | | | 5500 | |
| SEXDET | | Sex Determination (X and Y chromosomes detection) by PCR | | | 1 ml of whole blood | | | 4 days | | | 3500 | |
| **\*** TS | | Turner Syndrome (detection of XO) by PCR | | | 3ml of whole blood, | | | 2 weeks | | | 5500 | |
| βTHAL | | β Thalassemia (IVS1-1, IVS1-5, Cd8/9, Cd41/42 and HbE mutations) detection by PCR | | | 3 ml of whole blood | | | 1 week | | | 6500 | |
| YCRO | | Y Chromosome Microdeletions detection by PCR | | | 3 ml of whole blood | | | 1 week | | | 5500 | |
| \*Send two samples of blood (2cc each From the Parents of the Patient. Parents’ profiles are  important in results interpretation under some circumstances. | | | | | | | | | | | | |
| **Cancer markers** | | | | | | | | | | | | |
| PHIL | | Philadelphia Chromosome (bcr-abl translocation) detection by PCR | | | 2.5 ml of whole blood | | | 1 week | | | 5500 | |
| AML-ETO | | AML1-ETO chromosomal translocation | | | 2.5 ml of whole blood | | | 1 week | | | 5500 | |
| TEL-AML1 | | TEL-AML1 chromosomal translocation | | | 2.5 ml of whole blood | | | 1 week | | | 5500 | |
| PML-RARa | | PML-RARa chromosomal translocation | | | 2.5 ml of whole blood | | | 1 week | | | 5500 | |
| MLL | | Myeloid-lymphoid leukaemia (MLL) gene | | | 2.5 ml of whole blood | | | 1 week | | | 5500 | |
| JAK 2 | | Point Mutation (p.V617F) ,Janus Kinase 2 gene | | | 2.5 ml of whole blood | | | 1 week | | | 4750 | |
| **DNA typing** | | | | | | | | | | | | |
| ID (Private Case) | | DNA Identity by DNA typing | | | 1 ml of whole blood | | |  | | | 11000 | |
| MTT (Court Case) | | Maternity testing (Mother & Child) by DNA typing | | | 1 ml of whole blood | | |  | | | 20000 | |
| PTT (Court Case) | | Paternity testing (Mother, Child & Putative Father) by DNA typing | | | 1 ml of whole blood | | |  | | | 30000 | |
| PTT (Private Case) | | Paternity testing (Mother, Child & Putative Father) by DNA typing | | | 1 ml of whole blood | | | One month | | | 33000 | |
| PTT (Private Case) | | Paternity testing (Mother, Child & Putative Father) by DNA typing | | | 1 ml of whole blood | | | 2 weeks | | | 37500 | |
| PTT (Foreign Case) | | Paternity testing (Mother, Child & Putative Father) by DNA typing | | | 1 ml of whole blood | | | One month | | | 37500 | |
| PTT (Foreign Case) | | Paternity testing (Mother, Child & Putative Father) by DNA typing | | | 1 ml of whole blood | | | 2 weeks | | | 42000 | |
| GMO | | Genetically modified organisms /food detection by PCR | | | **Pleases inquire** | | | 5 days | | | 9500 | |

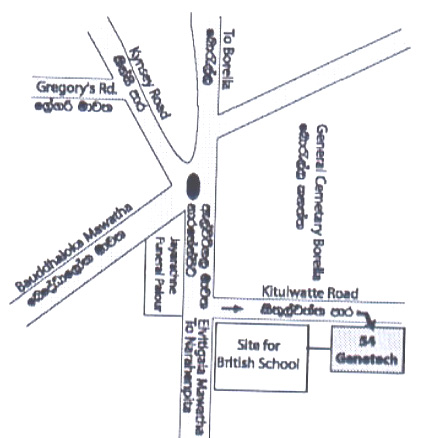
NOTE: If there is a delay in reporting due to an unavoidable circumstance customer is informed by the senior scientist.

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**Sample collection guide**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sample/Specimen** | **Collection** | **Transport** | **Storage** |
| Whole blood | 1-2 ml of blood in ACD or EDTA ( imp- not in Heparin ) delivered within 6 hours of collection | Up to 6 hours at room temperature  At +40C (on ice) if transported for more than 6 hours | At +40C (on ice) for up to 7 days |
| Clotted Blood | 1-2ml of blood delivered within 6 hours of collection | Upto 6 hours at room temperature  At +40C (on ice) if transported for more than 6 hours | At +40C (on ice) for up to 7 days |
| Swabs (Nasal,Vaginal,Throat, etc) | Collected in to a sterile container and delivered within 6 hours | Up to 6 hours at room temperature  At +40C (on ice) if transported for more than 6 hours | At +40C (on ice) for up to 7 days  At -700C for more than 7 days |
| Stool / Urine | Collected in to a sterile container and delivered within 6 hours | Upto 6 hours at room temperature  At +40C (on ice) if transported for more than 6 hours | At +40C (on ice) for up to 7 days  At -700C for more than 7 days |
| Body Fluids (CSF, Bronchoalveolar Lavage, etc) | Collected in to a sterile continer and delivered within 6 hours ( If contaminated with blood add ACD or EDTA ) | Upto 6 hours at room temperature  At +40C (on ice) if transported for more than 6 hours | At +40C (on ice) for up to 7 days  At -700C for more than 7 days |
| Bone Marrow | Collected in to a sterile container having ACD or EDTA and delivered within 6 hours | Upto 6 hours at room temperature  At +40C (on ice) if transported for more than 6 hours | At +40C (on ice) for up to 7 days |



Blood and blood mix samples must be sent with an anticoagulant

(EDTA or ACD, **NOT HEPPARIN)**

DNA typing for family relationships and forensic purposes is done

with the voluntary, informed, written consent of the persons tested

Where the person is a minor (under 18 years of age), the voluntary,

informed, written consent of the legal guardian shall be obtained

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