



INTEGRATED DIAGNOSTIC SERVICES

JK Hospital Pvt. Ltd. in association with



ADVANCED LABORATORY & DIAGNOSTIC SERVICES

Comprehensive testing available at JK Hospital Pvt. Ltd., Etawah

Routine • Specialised • Molecular • Histopathology • Oncology

JK Hospital Pvt. Ltd. × LifeCell Diagnostics

Reliable answers. Timely diagnosis. Better care.

JK Hospital offers a broad range of routine and advanced laboratory investigations, supported by an extensive test catalogue from LifeCell Diagnostics. Patients can access commonly required tests as well as specialised investigations for complex medical conditions through a single hospital-based diagnostic service.

ONE-STOP ACCESS

Routine and advanced investigations under one coordinated service

SPECIALISED TESTING

Molecular, genetic, oncology, cytology and histopathology options

CLINICAL SUPPORT

Test selection and interpretation guided by treating clinicians

This document highlights selected, commonly requested tests. The complete test menu is available through the hospital laboratory.

Diagnostic Enquiries & Booking: 8006005065 / 8006005071 | care@jkhospital.in

ROUTINE & PREVENTIVE HEALTH TESTING

Essential investigations for screening, diagnosis and ongoing monitoring

HEMATOLOGY & COAGULATION

Blood-cell analysis and clotting tests help assess anaemia, infection, bleeding disorders and many systemic illnesses.

Test / Profile	Common clinical use	Typical specimen
Complete Blood Count (CBC)	Evaluation of haemoglobin, white cells and platelets; commonly used in fever, weakness, infection and pre-operative assessment.	EDTA whole blood
CBC with ESR	Combined blood count and inflammation screening.	EDTA whole blood
ESR	Non-specific marker of inflammation and chronic disease activity.	Whole blood
Peripheral Blood Smear	Microscopic assessment of blood-cell morphology and abnormal cells.	EDTA whole blood
Reticulocyte Count	Assessment of bone-marrow response in anaemia and after treatment.	EDTA whole blood
Blood Grouping & Rh Typing	Required for transfusion planning, pregnancy and surgery.	EDTA whole blood
PT-INR	Assessment of the extrinsic coagulation pathway and anticoagulant monitoring.	Citrated plasma
APTT	Assessment of the intrinsic coagulation pathway and bleeding tendency.	Citrated plasma
D-Dimer	Supports evaluation of suspected thromboembolic disease when clinically indicated.	Citrated plasma
Haemoglobinopathy Testing by HPLC	Screening for thalassaemia and other haemoglobin disorders.	EDTA whole blood

BIOCHEMISTRY & METABOLIC HEALTH

Common biochemical profiles assess diabetes, liver, kidney, heart, nutritional and metabolic health.

Test / Profile	Common clinical use	Typical specimen
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Test / Profile	Common clinical use	Typical specimen
Blood Glucose / Diabetes Testing	Fasting, post-meal and random glucose assessment for diabetes screening and monitoring.	Plasma / serum
HbA1c	Average blood glucose control over approximately 2–3 months.	EDTA whole blood
Lipid Profile	Assessment of cholesterol and triglycerides for cardiovascular-risk evaluation.	Serum
Liver Function Test (LFT)	Evaluation of bilirubin, enzymes and proteins related to liver health.	Serum
Renal Function Test (RFT/KFT)	Assessment of urea, creatinine and renal function.	Serum
Electrolyte Profile	Sodium, potassium and related electrolytes for fluid and metabolic balance.	Serum
Uric Acid	Useful in gout, kidney stones and metabolic evaluation.	Serum
Calcium & Phosphorus	Assessment of bone, parathyroid and metabolic health.	Serum
Amylase & Lipase	Support evaluation of pancreatic disease.	Serum
Iron Studies & Ferritin	Assessment of iron deficiency, anaemia and iron stores.	Serum
Vitamin B12	Evaluation of nutritional deficiency, anaemia and neurological symptoms.	Serum
Vitamin D (25-OH)	Assessment of vitamin-D status and bone health.	Serum

HORMONES, IMMUNOLOGY & INFECTION TESTING

Targeted tests for endocrine, autoimmune and infectious conditions

HORMONES & ENDOCRINOLOGY

Hormonal investigations support the diagnosis and monitoring of thyroid, reproductive, adrenal and fertility-related conditions.

Test / Profile	Common clinical use	Typical specimen
Thyroid Profile (T3/T4/TSH or FT3/FT4/TSH)	Screening and monitoring of hypothyroidism and hyperthyroidism.	Serum
Insulin	Assessment of insulin secretion and metabolic disorders when clinically indicated.	Serum
Cortisol	Evaluation of adrenal function and selected endocrine disorders.	Serum
FSH & LH	Assessment of reproductive function, menstrual disorders and fertility.	Serum
Prolactin	Evaluation of menstrual irregularity, infertility and pituitary-related symptoms.	Serum
AMH	Assessment of ovarian reserve as part of fertility evaluation.	Serum
Testosterone	Evaluation of androgen status in males and females.	Serum
Progesterone & Estradiol	Ovulation, pregnancy and reproductive-hormone assessment.	Serum
Beta-hCG	Confirmation and monitoring of pregnancy and selected clinical conditions.	Serum
PSA / Free-to-Total PSA Ratio	Prostate-related evaluation in appropriately selected patients.	Serum

SEROLOGY & IMMUNOLOGY

Serology and immunology tests help detect infections, inflammatory conditions and autoimmune disorders.

Test / Profile	Common clinical use	Typical specimen
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Test / Profile	Common clinical use	Typical specimen
HIV I & II Antigen/Antibody	Screening for HIV infection with appropriate counselling and consent.	Serum
HBsAg	Screening for hepatitis B infection.	Serum
Anti-HCV Antibody	Screening for hepatitis C infection.	Serum
Dengue NS1 / IgM / IgG	Diagnosis of dengue according to day of illness and clinical presentation.	Serum
Typhoid Serology	Supportive testing for suspected enteric fever; interpreted with clinical findings.	Serum
ASO Titre	Assessment of recent streptococcal exposure in relevant clinical settings.	Serum
C-Reactive Protein (CRP / hs-CRP)	Inflammation assessment; hs-CRP may support cardiovascular-risk evaluation.	Serum
Rheumatoid Factor	Supportive test in suspected rheumatoid arthritis.	Serum
ANA by IFA / Autoimmune Panels	Screening and further evaluation of systemic autoimmune disorders.	Serum
Anti-CCP	More specific supportive marker for rheumatoid arthritis.	Serum
IgE & Allergy Testing	Evaluation of allergic sensitisation to selected allergens.	Serum
TB Gold	Interferon-gamma release assay for tuberculosis infection assessment.	Heparinised blood

MICROBIOLOGY & MOLECULAR DIAGNOSTICS

Organism detection, culture, susceptibility and nucleic-acid-based testing

MICROBIOLOGY

Culture and microscopy services help identify infection-causing organisms and guide antimicrobial treatment.

Test / Profile	Common clinical use	Typical specimen
Urine Culture & Sensitivity	Detection of urinary pathogens with antibiotic-susceptibility testing.	Urine
Automated Blood Culture & Sensitivity	Detection and identification of bloodstream infections.	Blood
Pus / Wound Swab Culture	Identification of bacterial infection and antibiotic sensitivity.	Pus / swab
Sputum Culture	Evaluation of bacterial respiratory infection.	Sputum
Stool Culture	Assessment of suspected bacterial gastrointestinal infection.	Stool
Fungal Smear & Culture	Detection and identification of fungal infection.	Site-specific sample
AFB Smear	Microscopic screening for acid-fast bacilli in suspected tuberculosis.	Sputum / fluid
AFB Culture by MGIT	Culture-based detection of mycobacteria.	Site-specific sample
TB Drug-Susceptibility Testing	Assessment of resistance patterns in confirmed mycobacterial infection.	Culture isolate / sample
Body-Fluid Culture	Microbiological evaluation of pleural, ascitic, CSF and other sterile fluids.	Body fluid

MOLECULAR MICROBIOLOGY

PCR-based tests provide sensitive detection of microbial DNA or RNA, especially where rapid or targeted diagnosis is required.

Test / Profile	Common clinical use	Typical specimen
GeneXpert MTB/RIF	Rapid detection of tuberculosis and rifampicin-resistance markers.	Clinical sample

Test / Profile	Common clinical use	Typical specimen
TB Detection by Real-Time PCR	Qualitative molecular detection of Mycobacterium tuberculosis.	Clinical sample
Fever Multiplex PCR Panel	Simultaneous molecular testing for selected fever-causing pathogens.	As specified
Respiratory / Flu Viral Panels	Molecular detection of selected respiratory viruses and pathogens.	Respiratory swab
Community-Acquired Pneumonia Panel	Multiplex detection of selected respiratory pathogens.	Respiratory sample
Chikungunya PCR	Molecular detection of chikungunya virus during the appropriate illness window.	Clinical sample
CMV PCR / Viral Load	Detection and quantitative monitoring of cytomegalovirus.	Blood / specified sample
BK Virus PCR / Viral Load	Monitoring of BK virus, particularly in transplant-related care.	Blood / urine
HPV Molecular Testing	High-risk HPV detection for cervical-cancer screening pathways.	Cervical sample
Carbapenemase Resistance Panel	Molecular detection of selected antimicrobial-resistance genes.	Clinical isolate / sample

CLINICAL PATHOLOGY, CYTOLOGY & HISTOPATHOLOGY

Cellular and tissue diagnosis for screening, confirmation and treatment planning

CLINICAL PATHOLOGY

Routine analysis of urine, stool, semen and body fluids provides valuable information for common medical conditions.

Test / Profile	Common clinical use	Typical specimen
Routine Urine Examination	Assessment for urinary infection, protein, glucose, blood and other abnormalities.	Urine
Urine Albumin / Creatinine Ratio	Early screening and monitoring of diabetic and hypertensive kidney disease.	Spot urine
24-Hour Urine Tests	Quantitative assessment of selected analytes when prescribed.	24-hour urine
Stool Routine & Microscopy	Evaluation for parasites, blood, inflammatory cells and digestive abnormalities.	Stool
Occult Blood in Stool	Screening for hidden gastrointestinal bleeding in selected patients.	Stool
Semen Analysis	Assessment of semen parameters as part of fertility evaluation.	Semen
Pleural / Ascitic Fluid Analysis	Cell count, chemistry and microscopic assessment of body fluids.	Body fluid
CSF Analysis	Cellular and biochemical evaluation in suspected neurological infection or inflammation.	CSF

CYTOPATHOLOGY

Cytology examines individual cells or small cell groups and can support early detection of malignancy and other disease.

Test / Profile	Common clinical use	Typical specimen
Fine-Needle Aspiration Cytology (FNAC)	Assessment of palpable or image-guided lesions such as thyroid, lymph node, breast and soft-tissue swellings.	Aspirate / slides

Test / Profile	Common clinical use	Typical specimen
Fluid Cytology	Detection of malignant and inflammatory cells in pleural, ascitic and other body fluids.	Body fluid
Urine Cytology	Assessment for atypical or malignant urinary-tract cells.	Urine
Sputum Cytology	Cellular evaluation of respiratory secretions in selected patients.	Sputum
BAL Cytology	Cellular analysis of bronchoalveolar lavage specimens.	BAL fluid
Conventional Pap Smear	Cervical cytology screening.	Cervical smear
Liquid-Based Cytology (LBC Pap)	Cervical-cancer screening with liquid-based preparation.	Cervical sample
Cell Block with Relevant IHC	Additional tissue-like processing for selected cytology specimens.	Body fluid / aspirate

HISTOPATHOLOGY & IMMUNOHISTOCHEMISTRY

Histopathology provides definitive tissue diagnosis and supports tumour typing, grading and treatment planning.

Test / Profile	Common clinical use	Typical specimen
Small, Medium, Large & Extra-Large Biopsy Examination	Microscopic diagnosis of tissue removed by biopsy or surgery.	Formalin-fixed tissue
Bone-Marrow Biopsy	Evaluation of marrow architecture and haematological disorders.	Bone-marrow core
Special Histochemical Stains	Targeted stains for organisms, fibrosis, mucin, iron and other tissue components.	Tissue block
Breast Cancer ER/PR/HER2 Panels	Predictive and prognostic marker testing for breast cancer.	FFPE tissue
Ki-67 Proliferation Index	Assessment of tumour proliferative activity.	FFPE tissue
ALK / BRAF / Other IHC Markers	Tumour classification and selected predictive-marker testing.	FFPE tissue
Lymphoma IHC Panels	Immunophenotypic classification of lymphoid malignancies.	FFPE tissue
Expert Histopathology Review	Second opinion and review of slides/blocks in complex cases.	Slides / blocks

ONCOLOGY & ADVANCED GENOMIC TESTING

Specialised tests for cancer diagnosis, prognosis and personalised treatment

TUMOUR MARKERS

Tumour markers are not stand-alone cancer screening tests. They are ordered selectively for diagnosis support, treatment monitoring or follow-up.

Test / Profile	Common clinical use	Typical specimen
AFP	Used in selected liver, germ-cell and pregnancy-related clinical contexts.	Serum
CEA	Monitoring and assessment in selected gastrointestinal and other cancers.	Serum
CA 19-9	Supportive marker in selected pancreatic and biliary cancers.	Serum
CA 125	Assessment and monitoring in selected ovarian and gynaecological conditions.	Serum
PSA	Prostate-related evaluation and monitoring.	Serum
Beta-hCG	Marker in selected germ-cell and trophoblastic conditions.	Serum

MOLECULAR ONCOLOGY & ONCOGENOMICS

Molecular tests identify clinically relevant mutations, gene fusions and genomic signatures. Selection depends on tumour type, stage and treatment plan.

Test / Profile	Common clinical use	Typical specimen
EGFR Mutation Analysis	Predictive testing in selected lung cancers.	FFPE tissue
KRAS / NRAS Mutation Analysis	Therapy-selection support in selected colorectal and other cancers.	FFPE tissue
BRAF V600 Mutation Analysis	Predictive/prognostic testing in selected cancers.	FFPE tissue
BRCA1 & BRCA2 Analysis	Hereditary-risk and treatment-related evaluation in selected breast, ovarian, prostate and pancreatic cancers.	Blood / FFPE tissue

Test / Profile	Common clinical use	Typical specimen
BCR-ABL1 Qualitative / Quantitative	Diagnosis and molecular monitoring of Philadelphia chromosome-positive leukaemias.	Blood / bone marrow
JAK2 V617F / Exon Testing	Evaluation of suspected myeloproliferative neoplasms.	Blood / bone marrow
CALR & MPL Mutation Analysis	Molecular evaluation of selected myeloproliferative neoplasms.	Blood / bone marrow
FLT3 & NPM1 Mutation Analysis	Risk stratification and treatment planning in acute myeloid leukaemia.	Blood / bone marrow
IDH1 / IDH2 Mutation Analysis	Molecular classification and treatment-related evaluation in selected tumours.	Blood / marrow / tissue
Microsatellite Instability (MSI)	Evaluation of mismatch-repair deficiency and immunotherapy relevance in selected cancers.	FFPE tissue
MGMT Promoter Methylation	Treatment-related biomarker in selected brain tumours.	FFPE tissue
Comprehensive NGS Cancer Panels	Multi-gene profiling for selected solid and haematological malignancies.	FFPE tissue / blood / marrow

PATIENT INFORMATION & SERVICE HIGHLIGHTS

Simple guidance for planning your diagnostic visit

Comprehensive Test Access

Routine investigations and specialised referral tests coordinated through JK Hospital.

Hospital-Based Clinical Support

Tests can be linked with OPD, IPD, emergency, ICU and specialist consultation.

Sample Coordination

Guidance on fasting, timing, specimen type and required clinical documents.

Advanced Referral Network

Access to specialised molecular, genetic, oncology and pathology testing through LifeCell Diagnostics.

Before your test

- Carry the doctor's prescription and relevant previous reports.
- Ask whether fasting, a timed sample or medication adjustment is required.
- For tissue, genetic and molecular tests, bring the histopathology report, tissue block/slides or other documents advised by the laboratory.
- Turnaround time varies according to the test, specimen quality and referral requirements.
- Abnormal or positive results should always be interpreted by a qualified clinician in the context of symptoms and examination.

BOOK A TEST OR SPEAK TO OUR DIAGNOSTIC TEAM

JK Hospital Pvt. Ltd., Etawah

Call: 8006005065 / 8006005071 • Email: care@jkhospital.in

For test availability, preparation instructions, sample collection and report support

Disclaimer: The listed investigations represent selected tests from the supplied LifeCell Diagnostics directory. Availability, specimen requirements, turnaround time and pricing should be confirmed at the time of booking. Tests are performed only when clinically appropriate and according to applicable consent and regulatory requirements.