

CELLKRAFT BIOTECH PRIVATE LIMITED- CRO SERVICES

No.121/B, Survey No.99, Hullimangala road, KIADB Bommasandra Industrial Area,
Bengaluru– 560099, Karnataka, India. Phone: +91 – 8217297006/ 9035623200, E-mail: info@cellkraft.in

Cat. No.	Service
TC-1	2D & 3D Tissue Models & services
1	Fibroblast & Keratinocyte Co-Culture (The Dermal-Epidermal Junction)
2	Skin-Nerve Co-Culture Models (Neuro-cosmetic model)
3	Melanocyte & Keratinocyte Co-Culture (The Pigmentation Model)
4	Adipocyte & Fibroblast Co-Culture (The Hypodermis Model)
5	Human Skin Model Test: In Vitro Skin Irritation (OECD439), Model available: EpiSkin™
6	Human Skin Model Test: in vitro Skin Corrosion (OECD431), Model available: EpiSkin™
7	Eye irritation test - Reconstructed human Cornea-like Epithelium (RhCE) test method (OECD 492), Model available: SkinEthic™ HCE
8	Short Time Exposure In Vitro Test Method for eye irritation - In Vitro Test Method on SIRC cell line by MTT assay (OECD 491)
9	Caco-2 drug permeability assay
10	Blood brain barrier drug permeability assay
TC-2	Biofunctional assays for drug & cosmetic testing
1	Wound Healing (Cell Migration) Assay
2	Melanin Production (Melanogenesis) Assay
3	Osteoblast Differentiation & Mineralization Assay
4	Anti-Inflammatory Assay - Quantification of key pro-inflammatory biomarkers and cytokines
ACC	Basic cell culture assays (for established cell lines)
1	Cytotoxicity MTT / LDH / WST-8 assays
2	Scratch/Cell migration inhibition/Wound healing assay
3	Transwell migration assay
4	Angiogenesis - Endothelial tube formation
5	Biocompatibility testing by MTT assay
6	Colony formation assay
7	Lymphocyte proliferation assay
8	Lipid peroxidation assay (MDA detection) by colorimetry
9	Cytoprotective activity - Neuroprotective, Hepatoprotective, etc.
10	Cell Morphometry analysis (single cell segmentation & analysis)
11	Cell culture & treatment services
FLO/FLM	Flow cytometry/ Fluorescence microscopy
1	Apoptotic Markers – Annexin V / Caspase-3 / Bcl-2 / Bax / p53 (any one)
2	DNA fragmentation by TUNEL assay
3	Mito-screen (JC-1) kit – Mitochondrial membrane potential assay
4	Cell cycle analysis by Propidium iodide staining
5	H ₂ DCFDA - ROS detection by flow cytometry
6	Glucose (2-NBDG) uptake assay
7	VEGFR-2 - Angiogenesis marker
8	GLUT-4, AMPKα1 & SREBP1 - Glucose metabolism & Lipogenesis
9	PCK2 - Gluconeogenesis & cancer cell survival
10	AKT - Cell Survival & Growth Signaling

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11	CD markers - CD-16 / CD-44 / CD-56 / CD-45
12	Inflammatory markers – IL-6 / TNF- α / COX-2 / IL-17 / IL-4 / IL-13 / IFN-G / IL1B (any one)
13	Live/Dead assay - Acridine orange & Propidium iodide staining
14	Fluorescent drug uptake assay
15	Ploidy analysis
	Other markers available upon request
EL	ELISA & Microplate assays
1	Quantitative ELISA
2	Enzyme inhibition assays - Hyaluronidase, Elastase, Collagenase, α -amylase, AchE, etc.
MB	Microbiology
1	Anti-microbial test - Well/Disc diffusion
2	Anti-microbial test - MIC microplate & MBC
3	Sterility testing
AOX	Anti-oxidant assays
1	DPPH assay
2	Phosphomolybdenum assay
3	Nitric Oxide assay by Griess reagent method (cell culture assay)
QC	QC tests
1	Endotoxin/LAL test
2	Protease estimation
3	Sterility testing
4	
	Mycoplasma testing
RNASEQ	Transcriptome sequencing service
1	RNA Extraction and QC, Library preparation, Sequencing using Illumina PE150 (~4 Gb data/sample), Bioinformatics analysis: QC, mapping, DEG analysis, GO & KEGG pathway enrichment analysis, visualization plots).
Other customized studies are also possible upon enquiry	