

Are you looking for a partner in Drug Discovery & Preclinical Research? Do you wish to save time on your experimental work?

At QIMA Life Sciences we are committed to supporting pharmaceutical and biotechnology companies on their research.

With our state-of-the-art facilities, our comprehensive range of services, and over 20 years of experience we offer dedicated project management to our clients, and help them meet their objectives.

Drug Discovery & Preclinical Research in Healthcare and Pharmacology

in vitro assays



GENE EXPRESSION ASSAYS

- Single gene expression
- Gene expression profiling
- Full genome analysis
- Gene silencing or overexpression



PROTEIN ASSAYS

- Cytokine and chemokine release
- Growth factor release
- Protein phosphorylation
- Signal transduction
- Protein localization
- Enzymatic activities



FUNCTIONAL CHARACTERIZATION

- Proliferation
- Migration
- Differentiation
- Metabolism
- Viability
- Apoptosis
- Phagocytosis
- Autophagy
- Phenotyping

MORE THAN 50 CELL LINES
A CELL BANK WITH MORE
THAN 20,000 VIALS

PRIMARY CELLS

3D *IN VITRO*
RECONSTRUCTED MODELS

EX VIVO MODELS

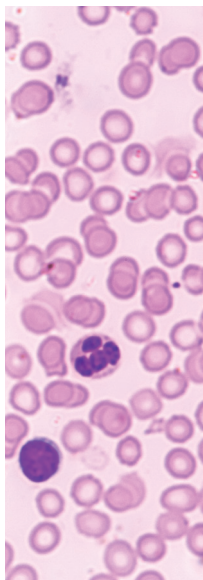
IN VIVO MODELS

R&D CUSTOMIZED SOLUTIONS

EC50/IC50 determination
Compound ranking
Mechanism of Action
Physicochemical properties
Side effect characterization
Bioavailability / Metabolism

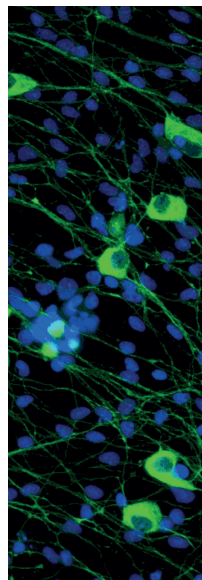
TRANSLATIONAL SCIENCE SOLUTIONS

Bioanalysis
Biomarker ID & validation
PK/PD relationships



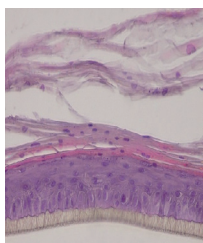
IMMUNO-MODULATION

- Whole blood or isolated immune cells
- Phagocytosis
- PMN oxidative burst
- M1 or M2 macrophage polarization and switch
- Chemotaxis
- Histamine release by mast cells
- T cell differentiation
- Phenotyping
- Immunoglobulin detection
- Proliferation
- Cytokine, chemokine & matrix metalloproteinases release



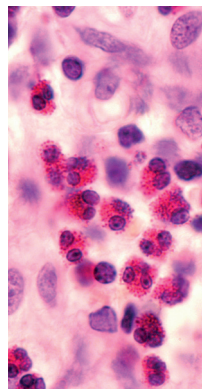
NEUROBIOLOGY

- Catechol-O-methyl transferase activity
- Cytokine release by microglial cells
- NO production by microglial cells
- Immunolabeling
- Neurite outgrowth
- Oligodendrocyte proliferation/differentiation
- Substance P release
- CGRP release
- Neurotoxicity assays
- Contraction frequency (motoneurons + striated skeletal muscle cells)
- Calcium mobilization



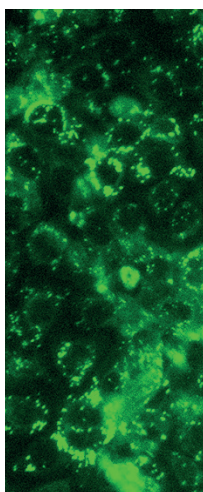
ORAL HEALTH & CARE

- Cell metabolism, viability, and proliferation
- Mediator and protein release
- Gene expression analysis
- Morphology analysis



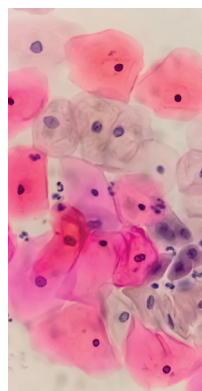
ASTHMA

- Cell activation
- Phagocytosis
- Chemotaxis
- Mast cell degranulation
- Immunoglobulin detection
- Proliferation
- Cytokine, chemokine and matrix metalloproteinase release
- Environmental pollutant stimulation



METABOLIC DISORDERS: OBESITY & DIABETES

- Fatty acids incorporation
- Lipidic content analysis
- Lipidic droplets formation
- *De novo* lipid synthesis
- Non-esterified fatty acids release
- Phosphodiesterase and lipase activities
- cAMP quantification
- Glucose quantification



ONCOLOGY

- Cytotoxic profiling
- Cell proliferation
- Chemotaxis
- Mast cell degranulation
- Immunoglobulin detection
- Proliferation
- Cytokine, chemokine and matrix metalloproteinase release
- Environmental pollutant stimulation

CONTACT US!

QIMA
Life Sciences

Your Partner in Innovation

QIMA Life Sciences

Headquarters

1bis rue des plantes - CS 50011
86160 Gençay - FRANCE

Tel. +33 (0)5 49 36 11 37

E-Mail: ls@qima.com

International offices

France - Labège, Lyon
Germany - Münster
USA - Buffalo, NY
Brazil - Botucatu, SP