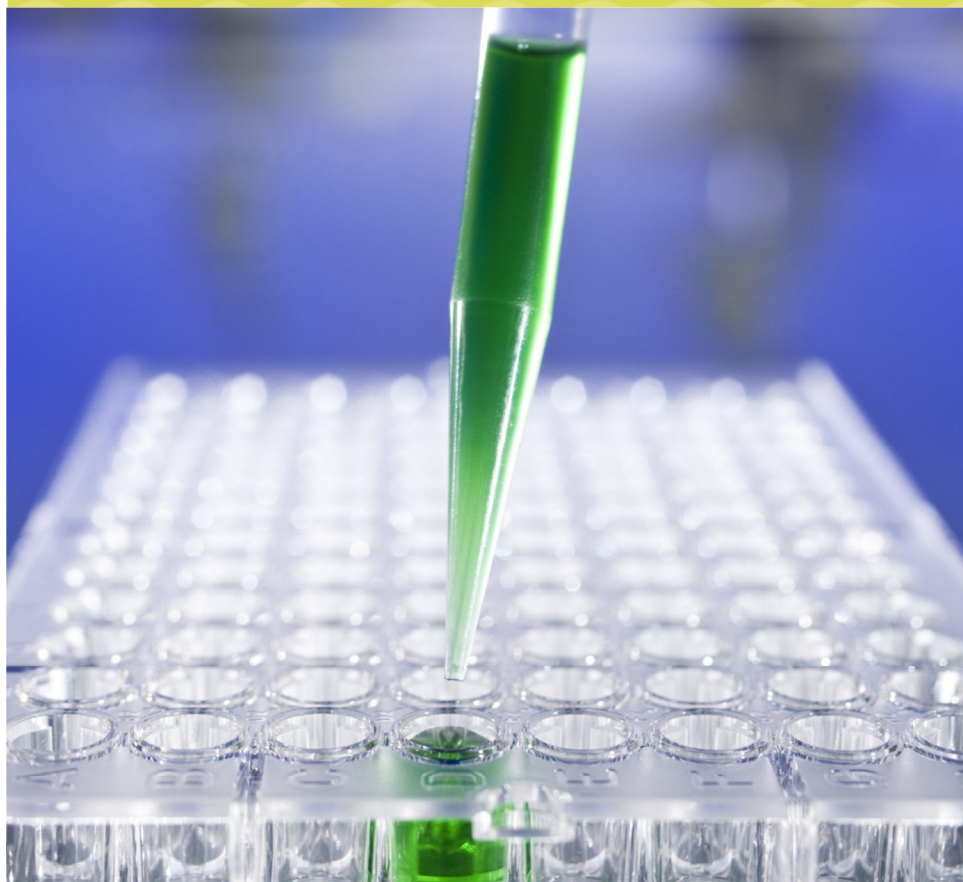


CYP450 Inhibition



Fast, Accurate and Affordable...

Whether you're tight on budget, time, or internal capacity, Analiza offers a CYP450 inhibition study to meet your discovery needs. We understand that different therapeutic areas and programs have different needs so we'll work with you to identify the right screening strategy for you; maximizing your budget while enabling you to identify compound liabilities in real time.

For initial screening, single inhibitor concentration provides relevant outcomes and is ideal for early discovery. However, if the IC_{50} values are much smaller or larger than the concentration tested it may difficult to distinguish between Time dependent Inhibition (TDI) and direct inhibition. With 3A4 responsible for the vast majority of clinically relevant drug-drug interactions, Analiza offers single point and 7 pt. IC_{50} CYP3A4 TDI studies.

3A4 TDI – Data returned in 72 hours or less

Assay Protocol

Compound Requirements

25 μ L of 10mM stock solution

Test Compound Concentration

Screening: 10 or 25 μ M

IC_{50} : 0, 0.1, 0.25, 1, 2.5, 10, 25 μ M

TDI Pre-Incubation Time

30 min (other times available)

CYP Isoforms

CYP1A2: (Melatonin, Tacrine)

CYP2D6: (Dextromethorphan, Bufuralol)

CYP3A4: (Midazolam, Testosterone)

Analysis Method

LC-TOFMS

Data Delivery

Delivered within 72 hours

Screening: % Inhibition

IC_{50} : 7 point IC_{50}

3A4 TDI-Single Pt: % inhibition after pre-incubation

3A4 TDI- IC_{50} : 7 Pt. IC_{50} , Shifted IC_{50}

Cost

Screening: \$150.00 per isoform

IC_{50} : \$400.00 per isoform

3A4 TDI: Single Pt: \$300.00

3A4 TDI IC_{50} : \$1,000.00



3615 Superior Ave.
Suite 4407B
Cleveland, OH 44114
216-432-9050
www.analiza.com