

Resource Summary Report

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Texas A and M University Health Institute of Biosciences and Technology Microphysiological Lead Optimization and Toxicity Screening Core Facility

RRID:SCR_023717

Type: Tool

Proper Citation

Texas A and M University Health Institute of Biosciences and Technology
Microphysiological Lead Optimization and Toxicity Screening Core Facility
(RRID:SCR_023717)

Resource Information

URL: <https://ibt.tamu.edu/centers/translational-cancer-research/stephan-lab/mlots/index.html>

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Description: Supports lead optimization programs and has established roster of medium throughput microphysiologic screening platforms including tissue- and tumor-on-a-chip platforms, organoid, and spheroid culture systems that will be used to evaluate efficacy and toxicity of new lead compounds and drug combinations. Provides resources to identify toxic liabilities in lead series molecules before entering pre-clinical or clinical testing. MLOTS can evaluate NME for cardiovascular, neuro, or liver toxicity relative to reference standards using in vitro screening platforms. Facility will potentially enhance the effectiveness of CPRITs drug discovery programs.

Abbreviations: MLOTS

Synonyms: Texas A&M Health Science Center TAMU-Microphysiological Lead Optimization and Toxicity Screening facility (MLOTS), TAMU-Microphysiological Lead Optimization and Toxicity Screening facility (MLOTS)

Resource Type: core facility, service resource, access service resource

Keywords: USEDit, ABRF, evaluate efficacy and toxicity of new lead compounds, drug discovery, drug combinations,

Resource Name: Texas A and M University Health Institute of Biosciences and Technology Microphysiological Lead Optimization and Toxicity Screening Core Facility

Resource ID: SCR_023717

Alternate IDs: ABRF_1791

Alternate URLs: <https://coremarketplace.org/?FacilityID=1791&citation=1>

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Ratings and Alerts

No rating or validation information has been found for Texas A and M University Health Institute of Biosciences and Technology Microphysiological Lead Optimization and Toxicity Screening Core Facility.

No alerts have been found for Texas A and M University Health Institute of Biosciences and Technology Microphysiological Lead Optimization and Toxicity Screening Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.