

# 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:** access service resource, core facility, 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>

**Record Creation Time:** 20230624T050211+0000

**Record Last Update:** 20260821T194244+0000

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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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.