

Microbiology Service

ChemPartner
— Dedicated to LifeScience

What We Provide

Anti-bacterial Testing Capabilities

- MIC assay
- MBC assay
- Intracellular efficacy study
- Serum shift study
- Killing kinetics study
- PE study
- Spectrum (~15, Gram + & -)
- MoA study
- **Anti-TB & NRP-TB testing and study**

Anti-viral Testing Capabilities

- **Hepatitis C Virus (HCV)**
- Replicon assay
- Enzyme assay
- RT-qPCR assay
- **Hepatitis B Virus (HBV)**
- Capsid assembly assay
- RT-qPCR
- ELISA

Mutational Mapping Study

- Resistance frequency study
- Mutant strain development
- Genetic mapping of mutations

Cell Cytotoxicity Study

Drug Combination Study

- Checkerboard assay
- FIC index

Cytokine Release Study

- Single-plex study
- Multi-plex study (Cytokine storm)



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Drug Combination Study

FIC index by Chou's Theory Assay plate map

- 8*8 standard
- Custom defined

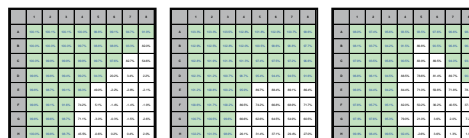
Tested on:

- Bacterial broth MIC assays
- TB-mac intracellular activity assays
- Anti-NRP-TB study
- TB-blood co-culture assay
- HCV replicon assay

Also can be applied for:

- Cytotoxicity assays
- Biochemical assays

Plate	Col A	100.00	50.00	25.00	12.50	6.25	3.13	1.56	0	Max	Min	Min	Min
Cell B	col B	1	2	3	4	5	6	7	8	9	10	11	12
100.00	A	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	Max	Max	Min	Min
50.00	B	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	Max	Max	Min	Min
25.00	C	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	Max	Max	Min	Min
12.50	D	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	Max	Max	Min	Min
6.25	E	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	Max	Max	Min	Min
3.13	F	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	Max	Max	Min	Min
1.56	G	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	Max	Max	Min	Min
0.00	H	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	Max	Max	Min	Min

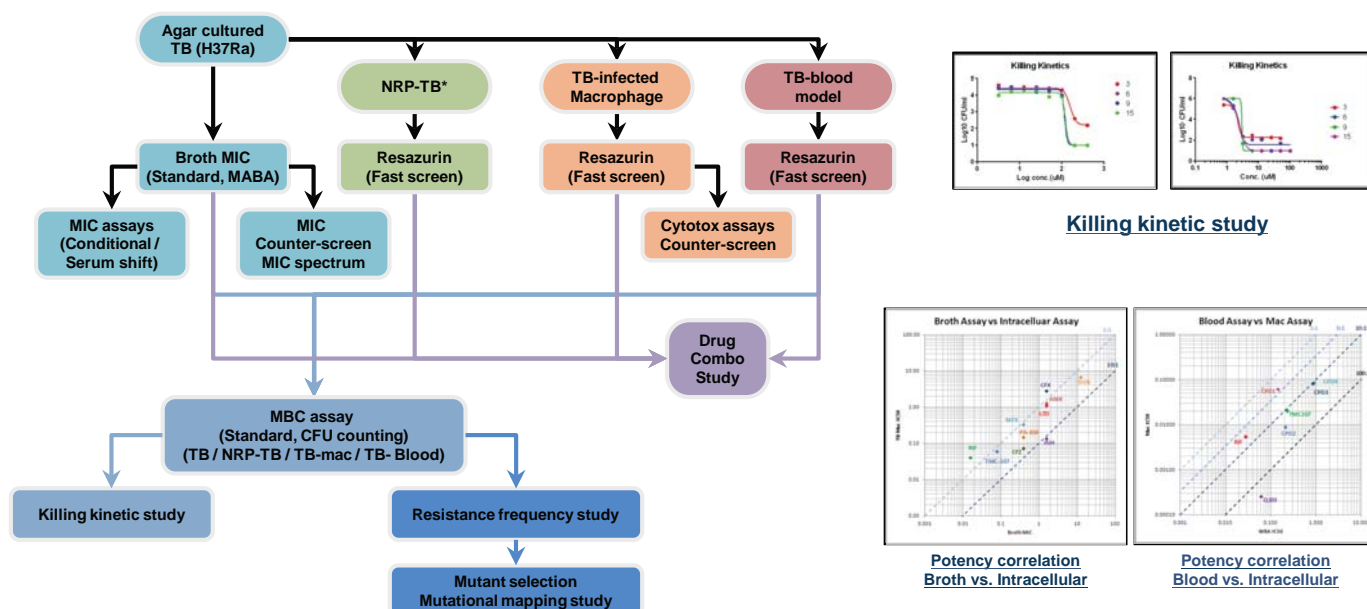


Synergy

Additive

Antagonism

In vitro Anti-tuberculosis Study Platform



HTS of HBV Capsid Assembly Assay

