

Services at BSL3 facility of RCB

- 1) **In vitro anti-viral drug testing against SARS-CoV-2 (Wuhan, Delta and Omicron variants) in cell culture system.** User provides the drug and related information; we will provide the anti-viral efficacy of the drug *in vitro* (1) cytotoxicity test in MTT assay, time: one week, (2) anti-viral testing, time: one week, including (3) 7-point IC50 value, time 2 weeks.

Price (Rs.): (1) 10,000, (2) 20,000, (3) 25,000 for academic institutions and start-ups;
(1) 20,000, (2) 40,000, (3) 50,000 for big Pharma company;
+ 18% GST

- 2) **In vivo anti-viral drug testing against SARS-CoV-2 (Wuhan, Delta and Omicron variants) in mice and/or hamsters.** Users provide the drug and *in vitro* efficacy data of the drug including *in vitro* cytotoxicity data.

(1) we can provide the *in vivo* cytotoxicity data of the drug; based on your request we can provide the following data, time: one month,
(2) viral load in various organs including lungs, detailed lung pathophysiology data, complete blood cell counts from peripheral blood,
(3) immunophenotyping of all leukocytes in peripheral blood and lungs
(4) Bead-based multiplex assay for cytokine quantification in plasma and lungs,
(5) anti-SARS-CoV-2 antibodies in plasma.

Time: together for item (1)-(5), two months.

Price (Rs.): Prices are mentioned for 10 mice or 10 hamsters. Prices may vary based on the experimental design.

(1) 30,000 (2) 25,000, (3) 30,000 (4) 30,000 (5) 15,000 for academic institutions and start-ups.

(1) 50,000, (2) 40,000, (3) 50,000 (4) 50,000 (5) 30,000 for big Pharma company.
+ 18% GST

- 3) **Vaccine testing against SARS-CoV-2 (Wuhan, Delta and Omicron variants) in mice and/or hamsters.** Based on the request we can provide the following data,

(1) viral load in various organs including lungs, detailed lung pathophysiology data, counts of blood cells from peripheral blood,
(2) immunophenotyping of all leukocytes in peripheral blood, T and B lymphocytes subsets (including SARS-CoV-2 specific T and B cells) in the spleen as well as peripheral blood (Elispot assay)
(3) Bead-based multiplex assay for cytokine quantification in plasma and lungs.
(4) anti-SARS-CoV-2 antibodies in plasma,
(5) neutralizing antibodies in plasma against SARS-CoV-2 variants.

Time: together for item (1)-(5), three-four months.

Price (Rs.): Prices are mentioned for 10 mice or 10 hamsters. Prices may vary based on the experimental design.

(1) 30,000 (2) 25,000, (3) 30,000 (4) 30,000 (5) 15,000 for academic institutions and start-ups.

(1) 50,000, (2) 40,000, (3) 50,000 (4) 50,000 (5) 30,000 for big Pharma company.

+ 18% GST

4) **Neutralizing-antibodies in human plasma against SARS-CoV-2 (Wuhan, Delta and Omicron variants).** We can provide.

(1) neutralizing antibodies in plasma against SARS-CoV-2 Variants.

(2) SARS-CoV-2 specific T and B cell ELISPOT's.

(3) Bead-based multiplex assay for cytokine quantification from plasma.

Time: together for item (1)-(3), two months.

Price (Rs.): Price are mentioned for 15 samples.

(1) 20,000 (2) 35,000, (3) 30,000 for academic institutions and start-ups.

(1) 40,000, (2) 60,000, (3) 50,000 for big Pharma company.

+ 18% GST

Note:- For any query, please contact bsl3services@rcb.res.in

Contact Person:- Vijay Kumar Jha