

a.

Provide Factor Details

Fractional Factorial are supported for 3 to 25 factors, which can be continuous, categorical, or discrete. Each factor is limited to two levels. Please provide the values for the levels as comma separated values, e.g., '-1, 1'. When setting up the design, select the required resolution from the dropdown menu. Note: Resolution III requires at least 3 factors, Resolution IV requires at least 4 factors, and Resolution V requires at least 5 factors. are supported for 1-25 factors. These factors can be continuous or categorical. For each factor, 2-10 levels can be considered, select the appropriate number of levels for the factor from the corresponding dropdown.

Note: Add or Remove columns by right clicking on the table.

	Factor Names	Factor Type	Level Values
1	Temperature	Continuous ▼	5, 25
2	Solvent	Categorical ▼	Ethanol, Octane
3	Number_Additions	Discrete ▼	2, 6
4	Concentration_A	Continuous ▼	5, 60
5	Reaction_Time	Continuous ▼	30, 120

[Next](#)[Cancel](#)

b.

Design Details

Selected Design: Fractional Factorial

Factor Names	Factor Type	Level Values
Temperature	Continuous	5, 25
Solvent	Categorical	Ethanol, Octane
Number_Additions	Discrete	2, 6
Concentration_A	Continuous	5, 60
Reaction_Time	Continuous	30, 120

Select number of runs:

16 ▼

i

Select number of blocks

2 ▼

i

This is a **Resolution V** design.

Randomize Runs:

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