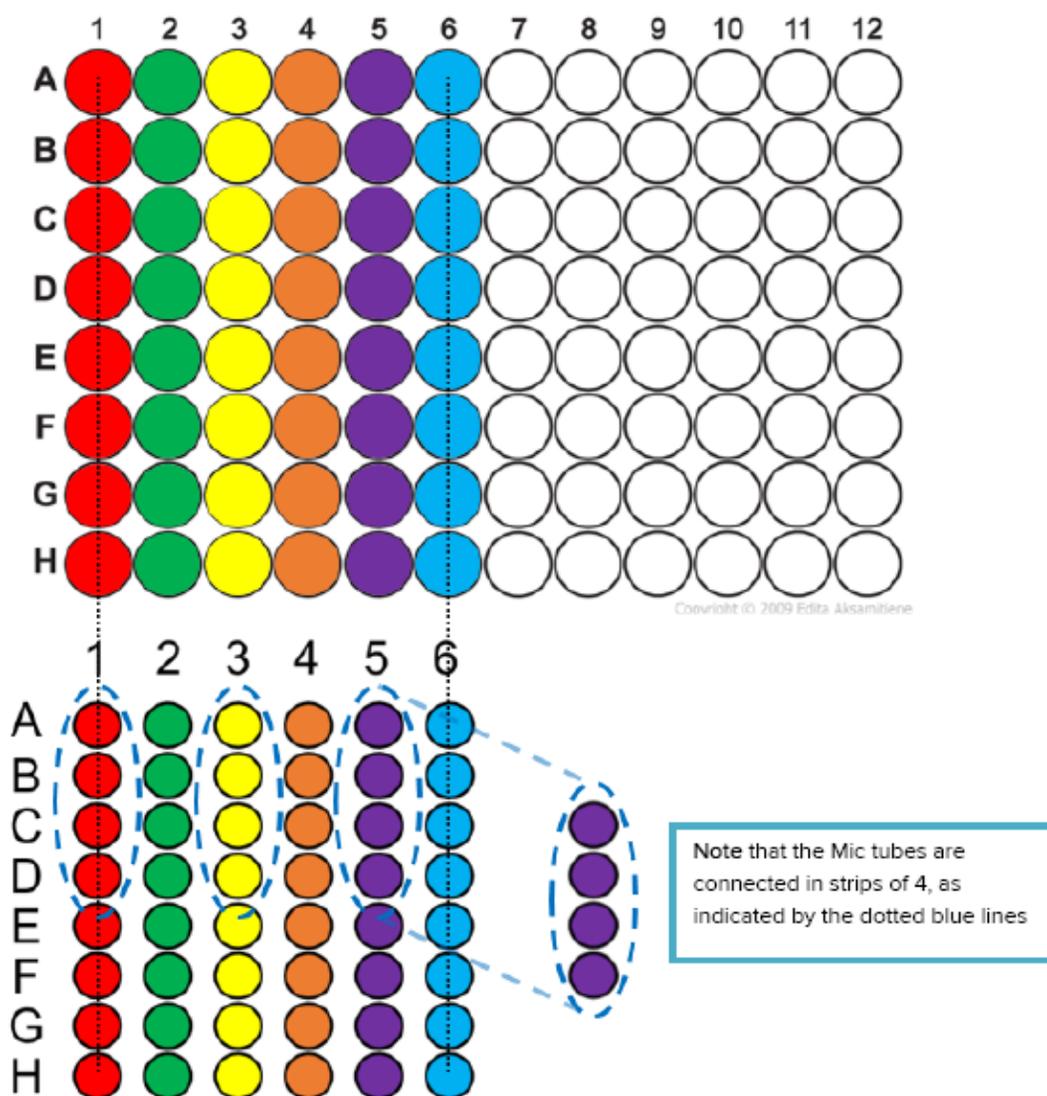


96-Well Plate Compatibility

The 96-well microtitre plate has become ubiquitous in molecular biology sample preparation. For easy compatibility, the Mic tubes and software have been developed to ensure that samples can be easily transferred from a 96-well plate. Notably, the sample setup within the 96-well plate will affect the distribution of samples upon transfer to the Mic instrument. The following guide outlines how to easily run an experiment from a 96-well plate with samples originally distributed either along the rows or down the columns.

Samples loaded down columns (single tip pipette)

The samples from one half of a 96-well plate can be transferred to one rack of Mic tubes. The racks of Mic tubes are labelled with an alphanumeric display to ensure your samples are in the correct location (the display for both the left-hand side (A1:H6) and right-hand side (A7:H12) is indicated on the Mic tube racks, with only the A1:H6 display shown here).



Once loaded, placing the Mic tubes in the mic rotor starting with tube A1 at position 1 will give the following distribution. Note that you do not need to know where each sample is being placed within the rotor; our software does that for you.

The diagram shows a circular mic rotor with 48 positions, each represented by a colored dot. The colors follow a rainbow spectrum: red (A1-A5), orange (A6-A10), yellow (A11-A15), green (A16-A20), cyan (A21-A25), blue (A26-A30), purple (A31-A35), and dark blue (A36-A40). The software interface below shows a 'Samples' table with the following columns: Colour, Name, Type, Groups, Assay, and Standard Concentration. The table lists samples A1 through D4 with corresponding color swatches. The toolbar at the bottom of the software interface includes icons for sample entry, including alphanumeric displays (AA, A1, A2, A3, 1..48, A1..H6, A7..H12) and 'samples by column' icons.

Simply clicking on the alphanumeric display (A1..H6) and 'samples by column' icons will allow you to enter your samples as they appeared in the original 96-well plate. Note that the second alphanumeric display icon (A7..H12) will display the values for the right hand side of a 96-well plate. Simply enter the sample names as they appeared in the columns of the original 96-well plate, entering each column as a continuous list. Sample names can also be copied and pasted from excel.