Every laboratory needs a “Crossing Guard” to prevent cross contamination of samples during 96 well micro-plate pipetting

When liquids are transferred to a microplate it is necessary to move the liquid dispenser (manual or robotic) over wells other than the well to which the liquid is intended. This creates a risk of cross contamination. The patented Multi-Prep® Crossing Guard from Biochemical Diagnostics is designed to prevent cross contamination.

The Multi-Prep Crossing Guard securely snaps onto the microplate via two spring loaded pins and can be moved from position A to position B and vise versa.

The Crossing Guard rows alternate between liquid drip capture rows and pass through rows to the microplate wells.

In position A the first row of wells on the microplate is covered by liquid capture rows as is the 3rd, 5th, 7th, 9th, and 11th.

In position B the first row of wells on the microplate is covered by pass through rows as is the 3rd, 5th, 7th, 9th, and 11th.

The pipetter (manual or robotic) is moved to the outside of the Crossing Guard, positioned at the first liquid capture row, and moved back inside the Crossing Guard.

The liquid dispenser is moved to the first pass through row and dispensed.

This process is repeated until dispensing is completed in the position A pass through rows.

The Crossing Guard is then shifted to position B and the process is repeated.

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