Mix Vu™

Indicator for successful alkaline lysis

Complete mixing is important for successful alkaline lysis. As the volume of lysate grows in large scale preparations such as midi or maxi, a partial variation of pH in lysate can be taken place. It is due to high viscosity of lysate and leads to incomplete mixing, followed by inefficient cell lysis and poor yields.

Use of Mix Vu™ would prevent this handling error, and help prepare the plasmid successfully. Mix Vu™-added Buffer S1/P1 is colorless. After the addition of Buffer S2/P2, the color will turn blue as mixing. Whole blue of the lysate ensures that the lysate is at alkaline pH. And the lysate will be colorless after the addition of Buffer G3/P3. The lysate should be mixed until it became thoroughly colorless to ensure complete neutralization.

You can choose one method to use Mix Vu™.

★Usage 1:

Mix Vu™ can be used as 1,000x per prep.

Add 1/1,000 vol of Mix Vu™ after the addition of Buffer S1/P1.

Eg) Add 1 μl of Mix Vu™ per 1 ml Buffer S1/P1.

» 2.5 μl for Exprep™ Midi and Exfection™ LE Midi

» 4 μl for Exfection™ EF Midi

Vortex to mix after the addition of Mix Vu™.

★Usage 2:

Mix Vu™ can be directly added to the bottle of Buffer S1/P1 before first use.

Eg) Add 80 μl of Mix Vu™ into 80 ml of Buffer S1/P1 or

add 100 μl of Mix Vu™ into 100 ml of Buffer P1.

If Mix Vu™ have been added to the S1/P1 bottle directly, shake or swirl the bottle just before use.