

### 3<sup>rd</sup> Generation Packaging Mix Details

<b>Vectors</b>	Cat# LV053 – pLenti-P3A, pLenti-P3B and pLenti-P3C
<b>Description</b>	For the production of lentiviral particles, three components are generally required: 1) a lentiviral vector containing your inserts of interests (cDNA, shRNA, or miRNA), 2) one or two packaging vectors which contain all necessary viral structure proteins, 3) an envelope vector expressing Vesicular Stomatitis Virus (VSV) glycoprotein (G). The 3 <sup>rd</sup> generation packaging system offers maximal biosafety as the lentiviral Rev gene is supplied as an independent vector from other structure genes, further eliminating the possibility of reverse recombination of vectors into a replication competent viral particles. The 3 <sup>rd</sup> generation lentiviral packaging mix will only support lentiviral expression vector with a chimeric 5' LTR in which the HIV promoter is replaced with CMV or RSV, thus making it TAT-independent. Thus the 3 <sup>rd</sup> generation lentiviral vectors will not support the production of 2 <sup>nd</sup> generation lentiviral particle productions. All of the lentiviral vectors marketed by ABM are TAT-independent.
<b>Selection</b>	Ampicillin (Bacterial selection)
<b>Amount</b>	200ul (100ug of pLenti-P3A, pLenti-P3B and pLenti-P3C in equimolar amounts)
<b>Appearance</b>	Liquid
<b>Storage Temperature</b>	-20°C or below (shipped at ambient temperature)
<b>Shelf Life</b>	1 year (when at -20°C or below in a non-frost free freezer)
<b>User Manual</b>	<a href="https://www.abmgood.com/viralexplenti3gen-dispOne.php?csn=14&amp;ssn=13929&amp;dsn=11736">https://www.abmgood.com/viralexplenti3gen-dispOne.php?csn=14&amp;ssn=13929&amp;dsn=11736</a>



