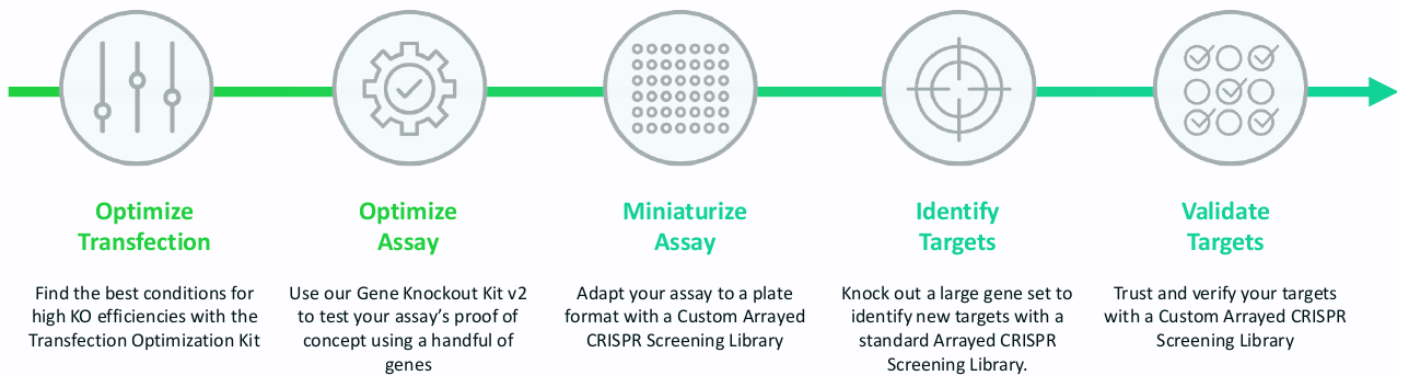


## Arrayed CRISPR library 聽過沒!!

## 加速 gene editing cell selection !!



Synthego's CRISPR Kits

Synthego's Arrayed CRISPR Screening Libraries

## 還在用 Lentivirus 去 editing cells ?

## Try synthetic gRNA

	Lentivirus	Synthetic gRNA
<b>Description</b>	<ul style="list-style-type: none"> <li>Viral particles carrying an sgRNA transgene integrate into the genome for stable expression</li> </ul>	<ul style="list-style-type: none"> <li>Synthetic single guide RNA (or cr:tracr)</li> </ul>
<b>Benefits</b>	<ul style="list-style-type: none"> <li>Efficient delivery</li> <li>Low cytotoxicity</li> </ul>	<ul style="list-style-type: none"> <li>High editing efficiency</li> <li>May include chemical modifications</li> <li>RNP transfection reduces risk of off-target effects</li> </ul>
<b>Drawbacks</b>	<ul style="list-style-type: none"> <li>Extra safety requirements</li> <li>Laborious preparation</li> <li>Stable expression may increase off-target effects</li> <li>Random integration of lentivirus into the genome may disrupt genes</li> </ul>	<ul style="list-style-type: none"> <li>Requires optimization for delivery</li> </ul>
<b>Amenable Cell Types</b>	<ul style="list-style-type: none"> <li>Immortalized cells</li> <li>Primary cells (arrayed only)</li> <li>iPS cells</li> </ul>	<ul style="list-style-type: none"> <li>Immortalized cells</li> <li>Primary cells</li> <li>iPS cells</li> </ul>