

## Product Datasheet

### 20×SYBR Green Dye (orb1736811)

<b>Catalog Number</b>	orb1736811
<b>Category</b>	Tools
<b>Description</b>	<p>The fluorescence signal of SYBR Green Dye combined with dsDNA can be enhanced 800-1000 times. In the PCR reaction system, an excess of SYBR Green Dye fluorescent dye is added. After it is specifically incorporated into the DNA double-strand, the fluorescent signal is enhanced, while the fluorescence of the SYBR Green Dye dye molecule that is not incorporated in the chain remains unchanged, thereby ensuring the fluorescence signal. The increase is completely synchronized with the increase of PCR products. Fluorescence can be measured in the annealing stage or the extension stage</p>
<b>Application notes</b>	<p>20×SYBR Green Dye concentrated solution, when used, the concentrated solution can be diluted 20-100 times, so that the final concentration of SYBR Green Dye in the PCR reaction system is 0.5× (adjusted between 0.2× and 1×). For example, to prepare a PCR reaction solution with a total volume of 50 µl, 0.5-2.5 µl of 20×SYBR Green Dye concentrate</p>
<b>Storage</b>	<p>Transport at room temperature, long-term storage at -20 °C, avoid repeated freezing and thawing. It can be placed at 4°C for short-term use</p>
<b>Note</b>	<p>For research use only</p>

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