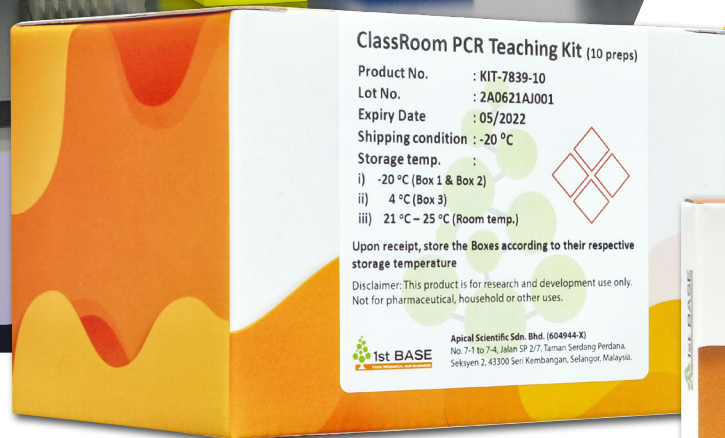




# ClassRoom PCR Teaching Kit (KIT-7839-10)



This teaching kit contains the components required to perform PCR amplification. The amplified PCR product will be qualitatively analysed using agarose gel electrophoresis methods.

## WHY USE OUR TEACHING KIT?



Kit Manual is equipped with Theories and Experiment Protocols



Time-saving, Ready-to-use



Value for Money

## WHO SHOULD BUY?

- Educators Involve in Biotechnology Courses
- Private/Government Body Looking for Basic Molecular Technique Training Materials
- Researchers from Non-molecular Field



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## WHAT'S INCLUDED IN THE KIT?

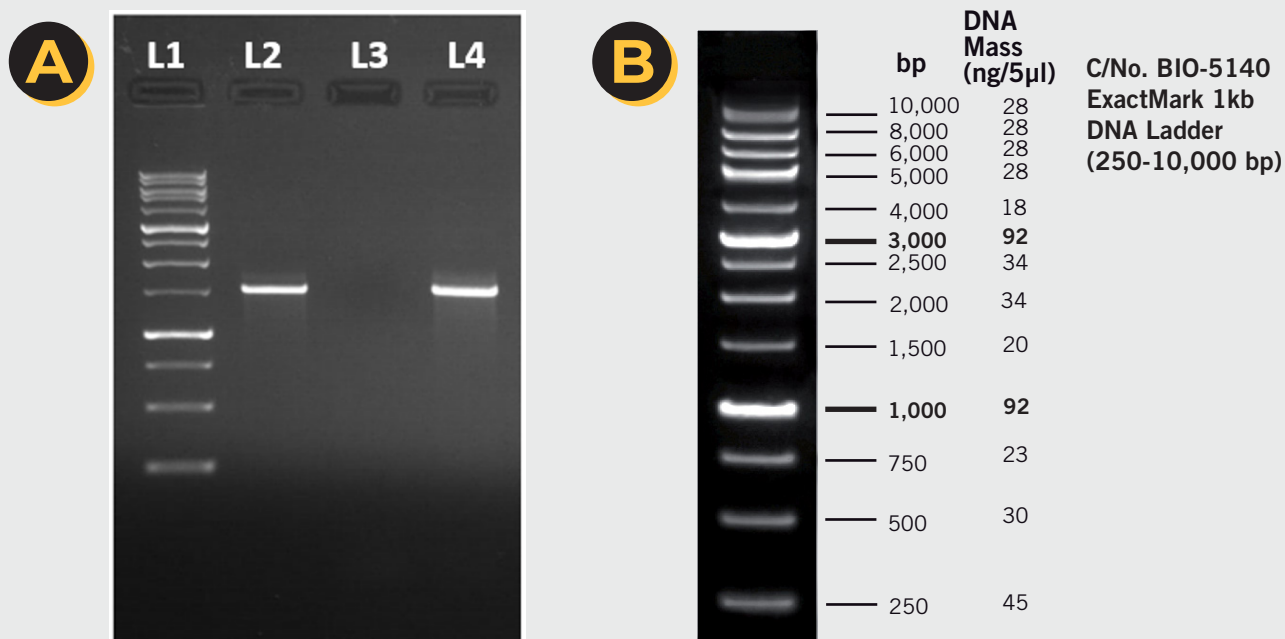
### PCR Amplification

No	Component
1	Taq DNA Polymerase
2	10X Taq Buffer
3	25 mM MgCl <sub>2</sub>
4	dNTP Mix, 10 mM each
5	16S rRNA Forward Primer (10 µM)
6	16S rRNA Reverse Primer (10 µM)
7	Water, PCR Grade
8	DNA Template
9	PCR tubes, 0.2 mL

### Gel Electrophoresis

No	Component
1	Control PCR Product
2	Floro <sup>+</sup> Red Nucleic Acid Stain
3	6X DNA Loading Dye
4	1 kb DNA Ladder
5	50X TAE Buffer
6	Agarose

## THE EXPECTED OUTCOME



**FIGURE-** Gel image that shows a successful PCR amplification with a target band at 1500bp.

A) Condition: 1% TAE Agarose gel, 10cm gel for 60mins.

Lane 1: 1kb DNA Ladder

Lane 2: Control PCR Product

Lane 3: Negative Control

Lane 4: Amplified PCR Product

B) 1kb DNA Ladder Sizing

**Product No.**

**KIT-7839-10**

**Product Description**

**ClassRoom PCR Teaching Kit**

**No. of Reactions**

**10 Preps**

**Scan QR Code**  
for our Teaching Kit Manual

