

AccuPower® PreMix Series



AccuPower® PreMix series is an innovative PCR master mix product range designed to make your PCR, reverse transcription (cDNA amplification) and RT-PCR experiments easier and more cost effective than ever. With a wide range of applications and unparalleled ease of use and stability, AccuPower® PreMix PCR master mix series will be an important addition to your collection of research tools.

Each tube or plate you order has all the components of a PCR master mix (enzyme, buffer, dNTPs) lyophilized with a patented stabilizer that maintains full activity for over one month at room temperature, and two years in the freezer. Simply add your primers and template – and never make a dNTP or PCR enzyme stock solution again!

AccuPower®'s unique stabilizer maintains full PCR enzyme activity for over a month at room temperature, and over two years in a -20°C freezer. In addition, reaction stability is maintained at 95°C for up to 3 times longer than Taq DNA polymerase, making it an ideal enzyme for amplifying G:C rich DNA at temperatures above 50°C.

AccuPower® PreMix PCR master mix is available with or without loading dye. When loading dye is present you can load it directly into your gel after PCR – no glycerol or glucose is required.

Specifications of AccuPower® PreMix Series

| Product | Size | | Yield | Specificity | Fidelity | GC-Rich | Heat stability |
|---|---------|------------|-------|-------------|----------|---------|----------------|
| | Lambda | Human | | | | | |
| PCR PreMix | ≤ 10 kb | ≤ 3 kb | ***** | *** | *** | *** | *** |
| Taq PCR PreMix | ≤ 10 kb | ≤ 3 kb | ***** | *** | *** | *** | *** |
| HotStart PCR PreMix | ≤ 12 kb | ≤ 3 kb | **** | **** | *** | **** | **** |
| PyroHotstart Taq PCR PreMix | ≤ 12 kb | ≤ 3 kb | **** | **** | *** | **** | **** |
| Pfu PCR PreMix | ≤ 20 kb | ≤ 10 kb | *** | *** | **** | *** | *** |
| ProFi Taq PCR PreMix | ≤ 30 kb | ≤ 21 kb | *** | **** | ***** | *** | **** |
| Multiplex PCR PreMix | - | 1~20 frag. | **** | **** | *** | *** | **** |
| Gold Multiplex PCR PreMix | - | 1~20 frag. | **** | **** | *** | *** | **** |
| RT PreMix | - | < 9 kb | *** | - | - | *** | *** |
| CycleScript RT PreMix | - | < 9 kb | **** | - | - | *** | *** |
| RocketScript™ RT PreMix | - | < 10kb | **** | - | - | **** | **** |
| RocketScript™ Cycle RT PreMix | - | < 10kb | **** | - | - | **** | **** |
| RT-PCR PreMix | - | < 6 kb | **** | - | - | *** | *** |
| RocketScript™ RT PreMix | - | < 6 kb | **** | - | - | *** | **** |
| RocketPlex RT-PCR PreMix | - | < 6 kb | **** | **** | - | *** | **** |
| GreenStar™ qPCR PreMix | - | - | *** | **** | - | **** | **** |
| 2X GreenStar™ qPCR master Mix | - | - | *** | **** | - | **** | **** |
| DualStar™ qPCR PreMix | - | - | *** | ***** | - | **** | **** |
| Plus DualStar™ qPCR PreMix, 2X Master Mix | - | - | **** | **** | - | **** | **** |
| RocketScript™ RT-qPCR PreMix, 2X Master Mix | - | - | **** | ***** | - | **** | **** |



Choose the PreMix That's Right for You



www.pcrtechnique.com

DNA Amplification

| Applications | PCR PreMix | Taq PCR PreMix | HotStart PCR PreMix | PyroHotstart Taq PCR PreMix | Pfu PCR PreMix | ProFi Taq PCR PreMix | Multiplex PCR PreMix | Gold Multiplex PCR PreMix |
|-------------------|------------|----------------|---------------------|-----------------------------|----------------|----------------------|----------------------|---------------------------|
| Standard PCR | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| HotStart PCR | | | ✓ | ✓ | | | ✓ | ✓ |
| High-fidelity PCR | | | | | ✓ | ✓ | | |
| Long-range PCR | | | | | | ✓ | | |
| GC-rich PCR | | | ✓ | ✓ | | | | |
| Multiplex PCR | | | ✓ | ✓ | | | ✓ | ✓ |

RNA Amplification

| | | RT PreMix | Cycle Script RT PreMix | RocketScript™ RT PreMix | RocketScript™ Cycle RT PreMix | RT-PCR PreMix | RocketScript™ RT-PCR PreMix | RocketPlex RT-PCR PreMix |
|--------|------------------|-----------|------------------------|-------------------------|-------------------------------|---------------|-----------------------------|--------------------------|
| PCR | Standard PCR | | | | | ✓ | ✓ | ✓ |
| RT | Standard RT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Cyclic RT | | ✓ | | ✓ | | ✓ | ✓ |
| RT-PCR | Standard RT-PCR | | | | | ✓ | ✓ | ✓ |
| | Multiplex RT-PCR | | | | | | | ✓ |

Real-Time PCR

| Applications | GreenStar™ qPCR PreMix | 2X GreenStar™ qPCR Master Mix | DualStar™ qPCR PreMix | Plus DualStar™ qPCR PreMix, 2X Master Mix | RocketScript™ RT-qPCR PreMix, 2X Master Mix |
|---------------|------------------------|-------------------------------|-----------------------|---|---|
| Real-Time PCR | ✓ | ✓ | ✓ | ✓ | ✓ |



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