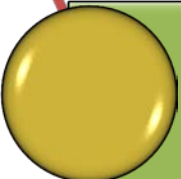


Tips for evaluating new (q)PCR reagents



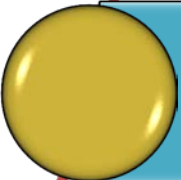
1. PROTOCOL: New reagent has its own personal protocol, read it and follow



2. CONTROLS: Set up the right controls & you'll never have to repeat the experiment



3. MIXING: Do not underestimate it. Always mix all reagents very well before each use



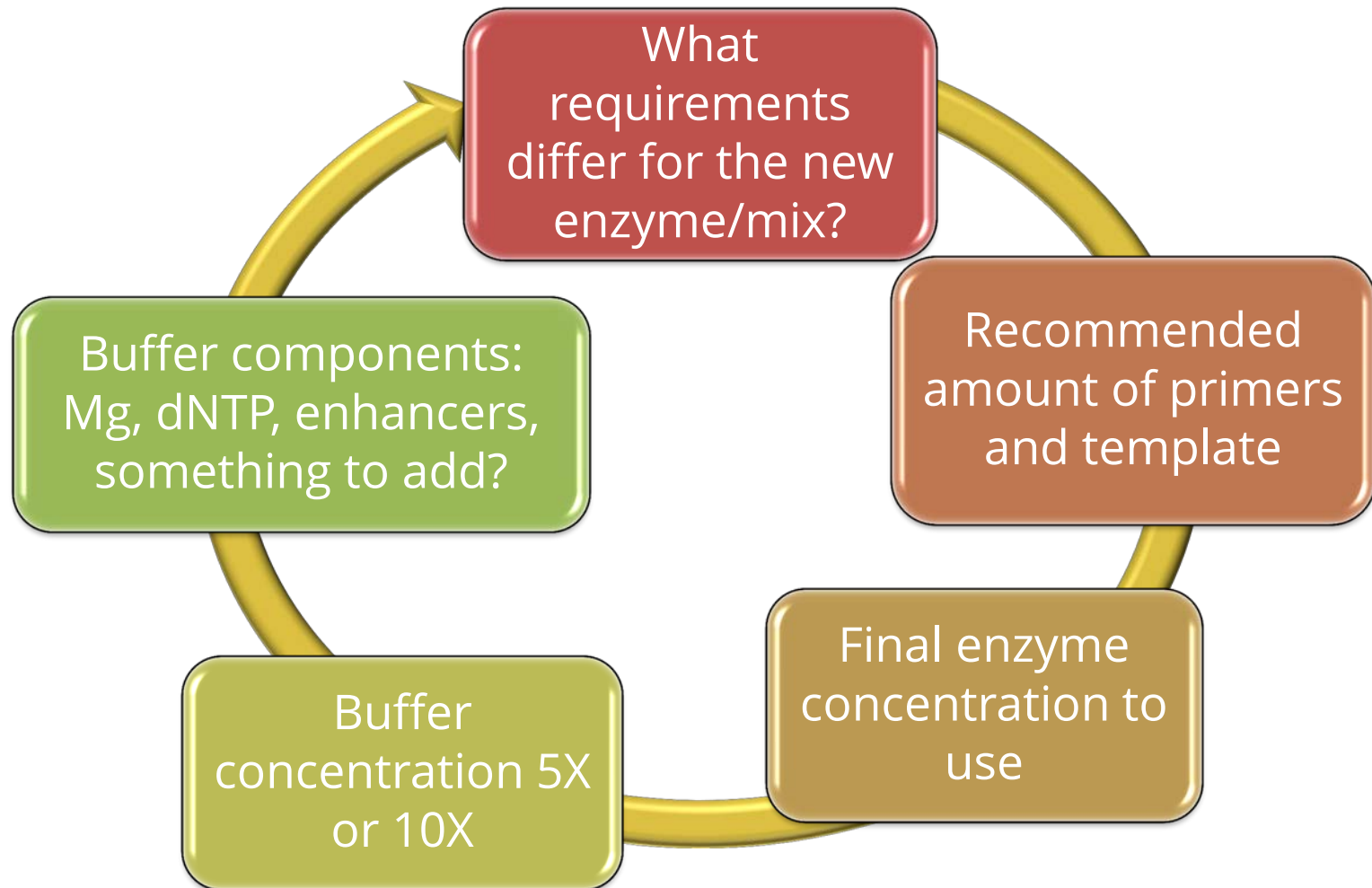
4. CYCLING: Run an annealing temperature gradient for a new PCR system, keep cycling short



5. SAFETY: Follow all measures of typical PCR contamination prevention

Fast & simple SOP for PCR comparison (information check-up)

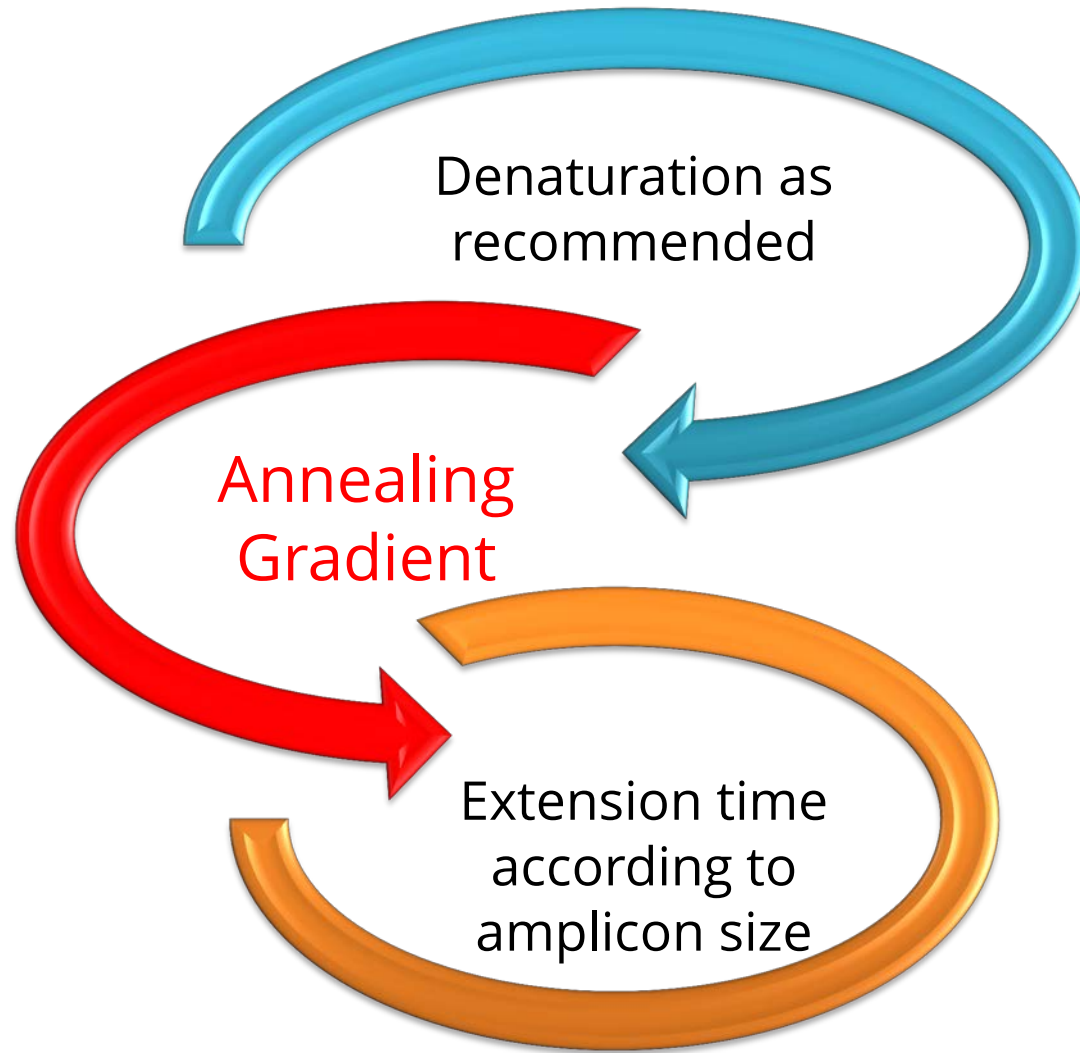
Compare protocols & product descriptions of both new & old enzyme or mix. Identify reaction mix differences:



[illegible]

Fast & simple SOP for PCR comparison (cycling)

Follow cycling recommendations of each supplier for cycle number, denaturation, annealing and extension. Less is better than more.



Fast & simple SOP for PCR comparison (analysis)

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Analyze the results properly:

- load equal vol. of each reaction on the gel
- use the same loading dye
- don't add loading dye if your PCR mix has one
- make conclusions based on your controls

