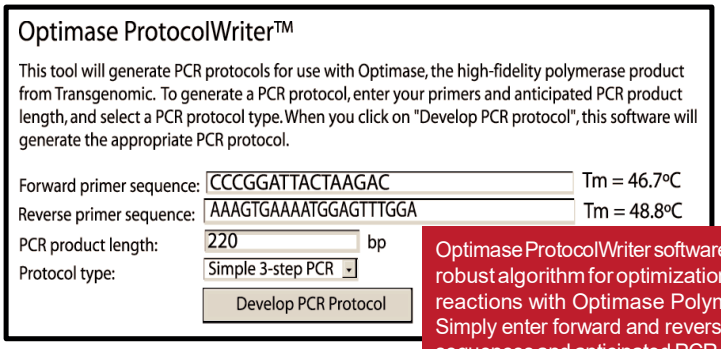
Optimase ProtocolWriter™ Software
Your Passport to Successful PCR

ADS Biotec
YOUR PATH TO DISCOVERY

Access ADS Biotec's free PCR protocol software for the proofreading enzyme Optimase® Polymerase at www.MutationDiscovery.com®



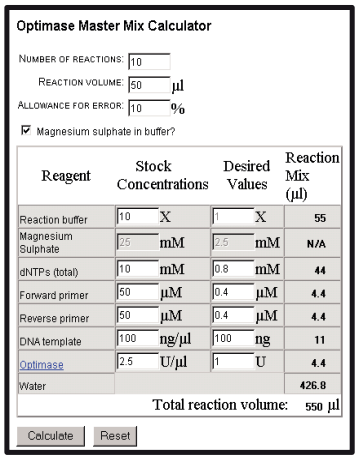
Optimase ProtocolWriter software uses a robust algorithm for optimization of PCR reactions with Optimase Polymerase. Simply enter forward and reverse primer sequences and anticipated PCR product length. Optimase ProtocolWriter software develops the simple three-step or touchdown PCR protocol.

To use Optimase ProtocolWriter software:

1. Access www.MutationDiscovery.com and click on Optimase ProtocolWriter.
2. Do the following:
   a) Enter the sequence of the PCR primers in the Forward primer sequence field and the Reverse primer sequence field.
   b) Enter the number of base pairs in the PCR product length field.
   c) Select the desired PCR approach in the Protocol type field.
3. Click on the Develop PCR Protocol button. Optimase ProtocolWriter software displays the PCR protocol.

Optimase MasterMix Calculator is designed to generate PCR master mix reagent volumes based on the following parameters:

- Number of reactions
- Reaction volume
- Percent allowance for error
- Presence of Magnesium Sulfate (optional)



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Increased Productivity with High Quality and Consistency