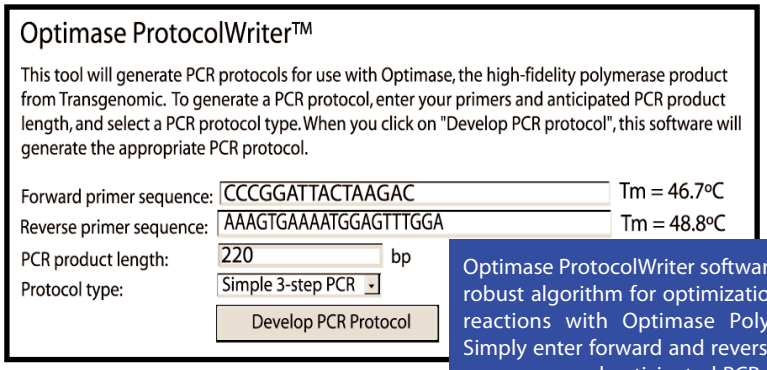
Optimase ProtocolWriter™ Software
Your Passport to Successful PCR

Access Transgenomic'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:

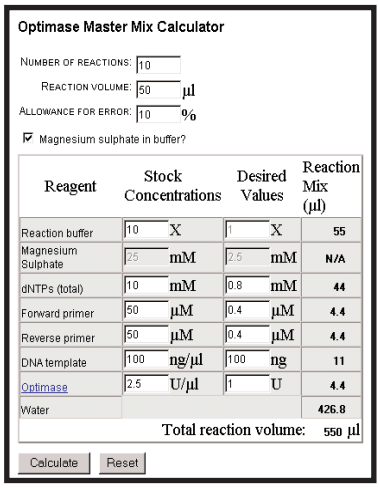
1. Access **www.MutationDiscovery.com** and click on **Optimase ProtocolWriter**.

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)



www.transgenomic.com

Transgenomic, Inc.
12325 Emmet Street
Omaha, NE 68164, USA
Phone: (888) 233-9283 • (402) 452-5400
Fax: (402) 452-5401
Email: info@transgenomic.com

Transgenomic Limited
40 Watt Road, Hillington Park
Glasgow G52 4RY, UK
Phone: +44 (0) 141 892 8800
Fax: +44 (0) 141 883 5967
Email: sales@transgenomic.com

Document No. 602087-01 08/08