CFAR Biosafety Core Taqman Pricing:

****NEW SERVICE****

Real-time PCR Assay Development:
We will develop a Taqman Assay for your gene of interest (*). Materials, Machine-associated Costs and Labor are all included in the price:

Materials:          $661.37
Machine time:         $ 81.25
Labor (Min. 20 hours required for development):     $137.38
Total:               $880.00

We will develop a SYBR green assay for your gene of interest (*). Materials, Machine-associated costs and labor are all included in the price:

Materials:          $249.29
Machine time:         $ 62.50
Labor (Min. 14 hours required for development):     $ 88.21
Total:               $400.00

Please allow 4-6 weeks for Assay Development due to Special order requirements of Primer, Probe, and Standard. Each reagent will be tested to ensure specificity for your gene of interest.

(*)Unique mRNA sequences are required for assay development - some genes with extremely repetitive sequences or many Alu repeats may not be amenable to Taqman Assessment

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Real Time PCR and RT-PCR Assays Available:

Human Targets:
• Cytokines
  • TNF-alpha
  • TGF-beta
  • IFN-gamma
  • IL-2
  • IL-6 (*)
  • IL-12
  • p35,p40
  • CD103 (*)
• Chemokines/receptors
  • CCR5
  • MCP-1
  • CCR7 (currently in development)
  • Human tissue factor (currently in development)
• Cytotoxicity
  • Perforin
  • Granzyme B
  • Granulysin
  • FasL
• Apoptosis
  • BcL-2
  • Bak

• Other
  • HLA-DR
  • CIITA
  • IRF-1
  • Furin
  • uPAR
  • Foxp3 (forkhead/winged helix transcription factor) (*)
  • Serpin9 (PI 9 proteinase inhibitor) (*)

• Host Housekeeping
  • R18 (human ribosomal 18S)
  • Actin

• TRECK DNA

HIV
• Entry
  • Strong Stop DNA
  • HIV pol (non-clade B)

Bacterial
• MTB
  • 85A (*)
  • 85B (mucolyl transferase)
  • AcR (alpha crystalline)
  • 16S (ribosomal 16S)

• Other
  • 23S (ribosomal 23 S) (*)
  • Pg (Porphyromonas gingivalis) (*)
  • Td (Treponema denticola) (*)
  • Bf (Bacteroides fosythus) (*)

(*) denotes new assay offered

Assay Pricing:
SYBR Green DNA PCR Assay: $96.70
DNA PCR Taqman Assay: $183.17
RT-PCR Taqman Assay: $448.10

All prices include the cost of reagents, plates, machine time, and labor for 40 samples. Reagents and plates are available for investigator completed assays as well.

Taqman Assay Development Training:
1. Training is offered quarterly and each training class will have 1-3 participants.
2. Training is both theoretical and hands on (computer) of the Taqman methodology for RNA and DNA PCR.
3. Signing up for Taqman training automatically makes you a CFAR user.
4. Trainees should have some knowledge of PCR prior to attending training.
5. Cost of training is $350.00 per person (including all reading materials and copy of software required for primer and probe development) + the cost of additional materials required (depends on the number of training class participants – General Assay Materials cost will be split between participants while Assay specific materials will be charged to individual whose desired assay is being designed).
6. For a single person training class, maximum training cost ($1092.62) is figured as follows:

<table>
<thead>
<tr>
<th>Material</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assay Specific Materials</td>
<td>$427.50</td>
</tr>
<tr>
<td>General Assay Materials</td>
<td>$315.12</td>
</tr>
<tr>
<td>Training cost</td>
<td>$350.00</td>
</tr>
<tr>
<td><strong>Total Maximum Training cost</strong></td>
<td><strong>$1,092.62</strong></td>
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