what will your next assay cost?

How Expertise in Design Considerations Affect Cost and Performance

An assay that is simple in theory, complex in practice. From engineering to materials selection, there are hundreds of choices and decisions to make.

You have questions? we have answers.

Blocking

blocker

blockina?

 What kind of blocker should I use?

Active or passive?

How will I apply the

• How will I evaluate

different methods of

Membrane

- and Pads
- What membrane speed does the assay require?
- How will I evaluate
- different membranes?
- Will I use a sample pad? A conjugate pad? What kind?



Detection

- Which detector particle is best for the assay sensitivity required?
- Is the detector particle size a suitable match for the membrane speed?
- Do I need to develop a conjugation protocol?
- What antibody load is appropriate? Mulitplexing?

Housina

- Will the test be placed in a cartridge
- or other protective housing?
- How does the Housing affect test performance?

Reagents

- What salts, carbohydrates, or detergents are optimal for my assay?
- What buffer pH, ionic strength to use?
- What is the best capture molecule to use at the control line?
- What are the storage conditions and stability requirements for the assav?

Antibodies

- Are there commercially available antibodies for the test analyte?
- Does the antibody have sufficient sensitivity, specificity, purity, and stability for successful results?



Membrane and Pads 15%



Antibodies 50%

other variable Lateral Flow costs

Raw materials are expensive. Asking the right questions early on can reduce development costs.

Sample Collection and Preparation

- Does it need a preparation step before use on the test?

Readers

- Is it a qualitative or quantitative test?
- Will the assay require a reader for interpretation?

Packaging and Labelling

- How will the test be packaged?
 - What information needs to go

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Why work it alone?

Working with an experienced partner can expedite your material selection and assay development. Speak with our experts today.



Learn more Scan here