

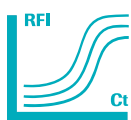
cobas omni Optimization Kit

Rapidly optimize your LDTs to transfer to the cobas omni Utility Channel

The process of developing LDTs for new systems can be challenging. The **cobas omni Optimization Kit** enables your laboratory to rapidly optimize your routine LDTs that you want to perform with the **cobas omni Utility Channel** on the **cobas® 6800/8800 Systems**.

The **cobas omni** Optimization Kit allows you to quickly assess multiple parameters that could influence the performance of your LDT.

Optimization of Key Parameters



PCR Profile
Establish the optimal thermal profile for your assay

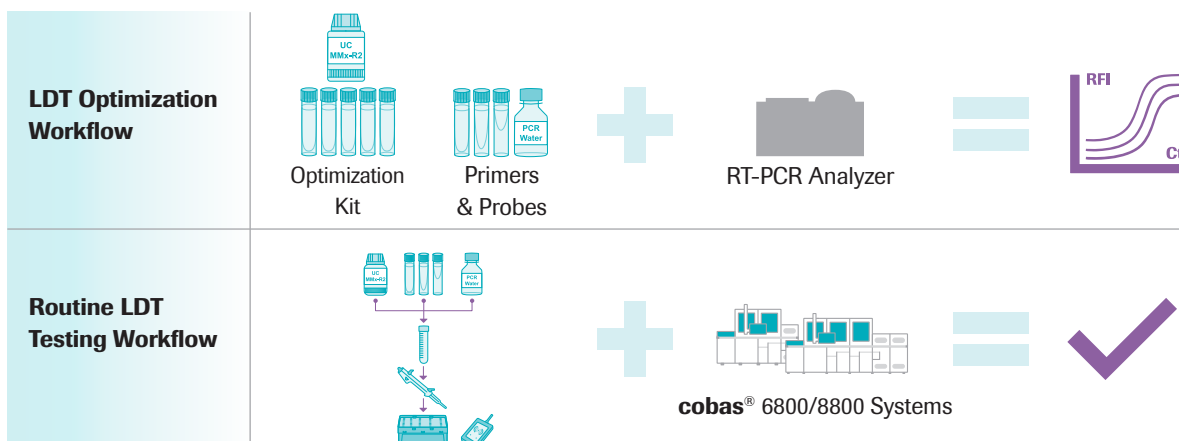


Primer: Probe Sequence
Design and test specific primer/probe sequences



Primer: Probe Concentration
Define the optimal concentration of primers & probes to add

By using the same master mix backbone as the **cobas omni** Utility Channel, you can be confident that the optimal setup identified with the **cobas omni** Optimization Kit will be transferrable. This transferability means you can cost-effectively optimize your assay prior to transfer to the **cobas® 6800/8800 Systems**.



Assay Design Characteristics for the cobas omni Utility Channel

The following table summarizes the key design characteristics that must be met for robust assay performance with the **cobas omni** Optimization Kit and the **cobas omni** Utility Channel Reagent Kit.

	Primers	Probe
Amplicon Size	50 to 250 bp	
Length	18-25 bp	18-30 bp
%GC Content	35-65	45-65
Melting Temperature (T_m, °C)	60-70	N/A
Quencher	N/A	Dark (e.g. Iowa Black)
Dyes	N/A	Coumarin, FAM, HEX, JA270 or CY5.5

cobas omni Optimization Kit ordering information

Material number	Product name	Tests per unit (cassette/kit)
07731663190	cobas omni Optimization Reagent Kit	600

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