



# qPCR Matrix Workshop

*Roche Applied Science*

## **Accurate Gene Expression Analysis with High Flexibility: LightCycler® 480 System and Universal ProbeLibrary Assays**

### Session schedule:

Session 1:	Wednesday	7 <sup>th</sup> Sept.	3.30 – 6.30 p.m.
Session 2:	Thursday	8 <sup>th</sup> Sept.	8.30 – 11.30 a.m.
Session 3:	Thursday	8 <sup>th</sup> Sept.	12.30 – 3.30 p.m.
Session 4:	Thursday	8 <sup>th</sup> Sept.	3.30 – 6.30 p.m.
Session 5:	Friday	9 <sup>th</sup> Sept.	8.30 – 11.30 a.m.
Session 6:	Friday	9 <sup>th</sup> Sept.	12.30 – 3.30 p.m.

### Participants:

Basic knowledge of PCR, especially Real-Time PCR, is required.

### Content:

In this session, a quantitative PCR is performed on a LightCycler® 480, the brand-new Real-Time PCR Platform of Roche Diagnostics, which is being presented for the first time ever in Germany. Distinctive features, handling and the system software are being presented. Participants will get the opportunity to establish their own assays during the session. Assays will be developed with the help of the new, innovative Universal ProbeLibrary system.

Costs of primers and Universal ProbeLibrary probes as well as reagents will be covered by Roche Applied Science.

### Agenda:

- Introduction into establishing assays with the Universal ProbeLibrary system and the LightCycler® 480 instrument general overview .
- Experiment plan.
- Pipetting and assay execution
- Detailed information about the LightCycler® 480 instrument and software
- Data analysis and discussion

### How to register?

- Please use the registration form on the following pages.
- If you would like to establish your own assay during the session, we need detailed information on the gene of your interest. Please deliver this information with your registration form.

### What else is important?

- For establishing your assay during the session, we need a plasmid with the target sequence to be analysed.
- Please either deliver this plasmid to the booth of Roche Applied Science at the beginning of the symposium on 9th September, or else take it along to the workshop.



## qPCR MatrixWorkshop Registration Form :

Please fax to +49-621-759-78-8597 before 19<sup>th</sup> August:

Roche Diagnostics  
Vertrieb Applied Science  
68298 Mannheim

Your details:

Title, First name	Last name
Institution/company	
Department	Building
Address	
Postal code/city	
Telephone	Fax
Email	
Country	

I want to register for the following session:

- Session 1: Wednesday 7<sup>th</sup> Sept. 3.30 – 6.30 p.m
- Session 2: Thursday 8<sup>th</sup> Sept. 8.30 – 11.30 a.m
- Session 3: Thursday 8<sup>th</sup> Sept. 12.30 – 3.30 p.m.
- Session 4: Thursday 8<sup>th</sup> Sept. 3.30 – 6.30 p.m.
- Session 5: Friday 9<sup>th</sup> Sept. 8.30 – 11.30 a.m
- Session 6: Friday 9<sup>th</sup> Sept. 12.30 – 3.30 p.m

- I would like to develop my own quantitative Real-Time PCR Assay during the sessions.

The gene's name: \_\_\_\_\_

The accession number of my target sequence is: \_\_\_\_\_

As alternative you can also mail us the sequence in FASTA-Format to [mannheim.biocheminfo@roche.com](mailto:m Mannheim.biocheminfo@roche.com).  
Please remember to state your name and address for easier allocation.

The gene is from the following organisms::

- |                                   |   |
|-----------------------------------|---|
| <input type="checkbox"/> Human    | <input type="checkbox"/> <i>Drosophila</i>  |
| <input type="checkbox"/> Primates | <input type="checkbox"/> <i>C. elegans</i>  |
| <input type="checkbox"/> Mouse    | <input type="checkbox"/> <i>Arabidopsis</i> |
| <input type="checkbox"/> Rat      |   |

For best preparation of the workshop, we would like to know some more details about your background and experience:

For how long have you been performing Real-Time PCRs?

- I have neither experience with Real-Time PCR nor any knowledge in theory
- I only have theoretical knowledge of Real-Time PCR, but no experience
- I have just begun using Real-Time PCR
- I have longtime experience in Real-Time PCR

What kind of Real-Time PCR experiments do you perform or plan to perform?

- | Experience               | Planned                  |                         |
|--------------------------|--------------------------|-------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | Absolute Quantification |
| <input type="checkbox"/> | <input type="checkbox"/> | Relative Quantification |
| <input type="checkbox"/> | <input type="checkbox"/> | Mutation detection      |
| <input type="checkbox"/> | <input type="checkbox"/> | Other: _____            |

Which detection format have you been using or do you plan to use?

- | Experience               | Planned                  |                     |
|--------------------------|--------------------------|---------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | SYBR Green I assays |
| <input type="checkbox"/> | <input type="checkbox"/> | TaqMan® assays      |
| <input type="checkbox"/> | <input type="checkbox"/> | HybProbe® assays    |
| <input type="checkbox"/> | <input type="checkbox"/> | SimpleProbe® assays |
| <input type="checkbox"/> | <input type="checkbox"/> | Other: _____        |

Which assay format have you been using or do you plan to use?

- | Experience               | Planned                  |              |
|--------------------------|--------------------------|--------------|
| <input type="checkbox"/> | <input type="checkbox"/> | capillaries  |
| <input type="checkbox"/> | <input type="checkbox"/> | 96 well MTP  |
| <input type="checkbox"/> | <input type="checkbox"/> | 384 well MTP |
| <input type="checkbox"/> | <input type="checkbox"/> | Other: _____ |

Which Real-Time PCR instruments have you been using or do you plan to use?

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Have you already tried to perform a quantitative Real-Time PCR with the target sequence submitted ?

- Not yet
- Yes and successfully  
detection format \_\_\_\_\_  
reagent \_\_\_\_\_  
instrument \_\_\_\_\_
- Yes, but not successfully  
detection format \_\_\_\_\_  
the reagent \_\_\_\_\_  
instrument \_\_\_\_\_

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**Date, Signature**

Please note, that only completely filled in forms can be accepted. If you have any questions concerning this registration form, don't hesitate to contact us via phone +49-621-759-8568. We will confirm your registration on 26<sup>th</sup> August 2005