

# qPCR Matrix Workshops

QIAGEN GmbH, Hilden, Germany

## Workshop 2:

### Fast and efficient: Synthesis of cDNA from siRNA transfected cells without RNA isolation and reliable real-time multiplex PCR

#### Participants

Scientists with a basic knowledge of real-time PCR.

#### Description

Participants will be introduced to a new, streamlined procedure for validating gene knockdown in siRNA-transfected cells at the mRNA level. Participants will have the opportunity to prepare first-strand cDNA directly from cultured cells without RNA purification using the new FastLane Cell cDNA Kit. cDNA synthesized using this kit allows highly sensitive and reproducible results in real-time, two step RT-PCR. This will be demonstrated in two real-time multiplex PCR experiments on the Mx3005P instrument:

- Real-time, duplex PCR using functionally validated QuantiTect Assays: the QuantiTect Gene Expression Assay for MAPK1 (with FAM labeled probe) and the QuantiTect Endogenous Control Assay for GAPDH (with Yakima Yellow labeled probe).
- Real-time, triplex PCR using TaqMan probes for ubiquitin (FAM), myc (HEX), and HSP89 (ROX).

#### Agenda

- Introduction to RNAi technology, direct cDNA preparation from cultured cells, and multiplex, real-time PCR. Includes practical hints and tips as well as questions and answers with QIAGEN scientists.
- Lab session
- Discussion

#### Workshop leader

Dr. Andreas Missel, Associate Director R&D, QIAGEN GmbH

# Registration Form

**Please complete this form and fax it back to +49 2103 29 22353 by September 5, 2005.**

If preferred, you can choose which workshop session to attend at the meeting registration desk on Monday, September 5 between 17:00 and 18:30.

**Please note: Each workshop session is limited to a maximum of 6 participants.**

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Title, Name

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Institute/Company

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Department/Building

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Address

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Address

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Telephone

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E-mail

## **Workshop 2: Fast and efficient: Synthesis of cDNA from siRNA transfected cells without RNA isolation and reliable real-time multiplex PCR**

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|--------------------------|------------|-----------------------|---------------|
| <input type="checkbox"/> | Session 2: | Thursday, September 8 | 08:30 – 11:30 |
| <input type="checkbox"/> | Session 4: | Thursday, September 8 | 15:30 – 18:30 |
| <input type="checkbox"/> | Session 6: | Friday, September 9   | 12:30 – 15:30 |