

## About TATAA Biocenter

Founded in 2001 by pioneers in qPCR, TATAA Biocenter is Europe's leading provider of gene expression profiling services and a prime organizer of hands-on training in quantitative real-time PCR (qPCR). Our offer comprises the entire field of qPCR services, including commissioned services and research projects, hands-on training and highest quality products.

TATAA Biocenter develops high-quality products for quantitative real-time PCR applications which are available in our webshop or from any of our distributors.



### For more information

[info@tataa.com](mailto:info@tataa.com)

### For ordering

[order@tataa.com](mailto:order@tataa.com)

### Please visit

[www.tataa.com](http://www.tataa.com)

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Products for  
**Quality Control**  
in qPCR



**tataabiocenter**

## VisiBlue™

Avoid errors in the qPCR due to pipetting mistakes. VisiBlue™ colors your master mix blue, facilitating accurate pipetting.



## ValidPrime®

The most time and cost saving control for gDNA contamination of large RT-qPCR experiments. ValidPrime® enables you to look for gDNA in all samples separately and also reduces the costs compared to the traditional approach with RT(-) controls. By replacing the RT(-) controls with the ValidPrime® assay and a gDNA control sample with known concentration you can detect and even compensate for the contamination when up to 50% of the signal comes from gDNA.

No. of controls	Assays (n)									
	1	3	10	12	24	26	49	50	97	98
1	2	3	11	12	25	26	49	50	97	98
10	20	12	110	21	250	35	490	59	970	107
24	48	26	264	35	600	49	1176	73	2328	121
48	96	50	528	59	1200	73	2352	97	4656	145
96	192	98	1056	107	2400	121	4704	145	9312	193

Traditional RT(-) strategy

ValidPrime™

## ALU-assays

Alu elements are short stretches of about 300 bp that are unique to the human genomic DNA (gDNA). There are over one million Alu elements interspersed throughout the genome constituting about 10.7% of the bases. The TATAA Alu Assays are specific, wet-lab validated qPCR assays targeting consensus Alu sequences making them exceptionally sensitive for human gDNA. Alu assays are available that produce different amplicon lengths, which makes it possible to assess also the length distribution of the gDNA present.

## RNA/DNA Spike

Inhibitions in the reverse transcriptase step will only show up as higher Cq values during qPCR, which can easily be mistaken for lower gene expression. TATAA offers two different spikes that can be combined for controlling both extraction yield and inhibition in the reverse transcription step at the same time. The spikes are also available as DNA spikes for controlling possible inhibition in the qPCR step.

## Interplate Calibrator

The TATAA Interplate Calibrator (IPC) gives you the possibility to merge many qPCR plates in large studies when you do not have the possibility to implement the “all samples” or “all assays”-strategy for your plate layout. By using the IPC already in your pilot study you can later include your pilot-data with your main study, saving in on the total amount of samples needed.



## Reference Gene Panels

It is important to always validate the reference genes for your unique qPCR-experiment in order to be able to normalize your samples to the most appropriate reference gene(s). A ready-made panel for 12 different reference genes saves you the hassle of having to design and validate assays you will only need once. The TATAA Reference Gene Panel contains 12 commonly preferred reference genes and one DNA control ready to use for fast and easy reference gene validation.