

Certificate of analysis

Product Name/Description: Synthetic siRNA Quantitation Core Kit
Cat. #: 6142
Lot #: Specified on product label
Storage Conditions: -20 degrees C
Expiration Date: Specified on product label or package

Package Size: 30 Rxns

Package Contents:	1. Terminal Transferase Buffer		390 µl
	2. Terminal Transferase		30 µl
	3. dATP		150 µl
	4. Recombinant RNase Inhibitor		30 µl
	5. Oligo dT Primer		150 µl
	6. RT Buffer		270 µl
	7. RT Enzyme Mix		30 µl
	8. Universal Primer	10 µM	120 µl
	9. EASY Dilution (for Real Time PCR)		1 ml
	10. Control siRNA	20 nM	10 µl
	11. Control Primer	10 µM	20 µl

Quality Control Data:

RT reactions were performed using a series of ten-fold dilutions of the Control siRNA (20 zmol/µl - 2 fmol/µl) in duplicate according to the user manual. The RT reactants were then subjected to siRNA quantification reaction. The resulting Ct values were plotted against the initial quantity of the Control siRNA in the RT reactions.

- 1) The resulting standard curve yielded a Rsq value higher than 0.980, with an amplification efficiency between 80% and 120%.
- 2) Both Ct values obtained by using 2 fmol/ul Control siRNA were lower than 20 cycles.
- 3) The mean Ct value obtained by using Easy Dilution (for Real Time PCR) (instead of Control siRNA) was higher than 38 cycles.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department of Takara Bio Inc.

Notice To Purchaser:

Please refer to the website.

Product Documents, Patent Markings, Trademarks, & Safety Information:

Refer to website for availability to download or contact your local office:
www.takara-bio.co.jp (Japanese)
www.takarabio.com (English)

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