



# miRCURY LNA™ microRNA Array

## Spike-in miRNA Kit v2

Product # 208041, Manual version 1.1

### Content

2 vials each containing 52 synthetic unlabeled plant miRNAs, dried-down. All 52 synthetic microRNAs are 5' phosphorylated just like endogenous microRNAs. Each vial is sufficient for minimum 24 rxns. 1 vial containing 500 µL nuclease-free water.

### Instructions for use

Prior to use, the spike-in miRNAs must be dissolved in nuclease-free water (see the instruction manual of the miRCURY LNA™ microRNA Array for details). Leave the suspension on ice for 30 minutes to dissolve. Vortex and then spin to collect tube contents. Exiqon recommends to aliquot the dissolved spike-in miRNAs to avoid repeated freeze/thawing. For long-term storage, keep the vial at  $-80^{\circ}\text{C}$ .

### Product description

The spike-in microRNAs resemble microRNAs from the plant *arabidopsis thaliana* and have been tested not to cross-react with endogenous microRNAs from human, mouse or rat.

When the spike-in miRNA kit v2 is added to the labeling reactions before array hybridization, the signals from the spike-in capture probes can be used:

- as a control of the labeling reaction and hybridization
- as a help in deciding scanner settings between channels
- as a control of the data normalization procedures
- to assess technical variability between different parts of the array

For detailed procedure, please see the instruction manual of the miRCURY LNA™ microRNA Array.

Table 1 shows the annotations of the Spike-in miRNA Kit v2 capture probes available in the GAL-file for miRCURY LNA™ microRNA Arrays

**Table 1**

Probe	ID Name
1100	spike_control_v2_1
13186	spike_control_v2_2
13367	spike_control_v2_3
13371	spike_control_v2_4
13388	spike_control_v2_5
13389	spike_control_v2_6
13393	spike_control_v2_7
13417	spike_control_v2_8
13421	spike_control_v2_9
13430	spike_control_v2_10
24127	spike_control_v2_11
24136	spike_control_v2_12
24163	spike_control_v2_13
24199	spike_control_v2_14
24217	spike_control_v2_15
24226	spike_control_v2_16
25557	spike_control_v2_17
25593	spike_control_v2_18
25611	spike_control_v2_19
25728	spike_control_v2_20
26160	spike_control_v2_21
27291	spike_control_v2_22
27318	spike_control_v2_23
27350	spike_control_v2_24
27676	spike_control_v2_25
27821	spike_control_v2_26

Probe	ID Name
27833	spike_control_v2_27
27953	spike_control_v2_28
27968	spike_control_v2_29
28038	spike_control_v2_30
28098	spike_control_v2_31
28393	spike_control_v2_32
28444	spike_control_v2_33
28488	spike_control_v2_34
28568	spike_control_v2_35
28581	spike_control_v2_36
28684	spike_control_v2_37
28876	spike_control_v2_38
28929	spike_control_v2_39
29001	spike_control_v2_40
29056	spike_control_v2_41
29138	spike_control_v2_42
29146	spike_control_v2_43
29544	spike_control_v2_44
29564	spike_control_v2_45
29837	spike_control_v2_46
30147	spike_control_v2_47
30207	spike_control_v2_48
30293	spike_control_v2_49
30747	spike_control_v2_50
30756	spike_control_v2_51
32812	spike_control_v2_52

The Spike-in miRNA kit v2 captureprobes and their probe ID's.

## Storage

Store the dissolved spike-in miRNAs at  $-20^{\circ}\text{C}$  until use and avoid repeated cycles of freeze/thawing. Exiqon recommends to aliquot the dissolved spike-in miRNAs into smaller volumes to avoid repeated freeze/thawing. For long-term storage, keep the vial at  $-80^{\circ}\text{C}$ .

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#### Literature citations

Please refer to miRCURY™ LNA microRNA Array spike-in miRNA kit when describing a procedure for publication using this product.

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