

FlashTag Saves the Day!



**Now, microRNA
labeling is easier
than ever!**

Fast and Simple:

- Directly label RNA in 45 minutes
- 1-Step array hybridization

Accurate and Reproducible:

- Replicate analysis: $R^2 = 0.99$
- Replicate differential analysis:
 $R^2 = 0.96$

Efficient:

- Start with labeling and finish
with scanning in an 8 hour day!

Sensitive and Flexible:

- 0.5-3 μ g of Total RNA (or the LMW
RNA enriched from 0.5-3 μ g of Total RNA)
- All Low Molecular Weight Samples
(microRNA, snRNA, hnRNA, piRNA, etc.)
- Degraded RNA
- senseRNA
- Compatible with all commercial
microRNA arrays
- Oyster® 550, Oyster® 650 and Biotin
labels available

**FlashTag is the labeling Super-Hero for all of your microRNA
and Low Molecular Weight samples!**

To Order:

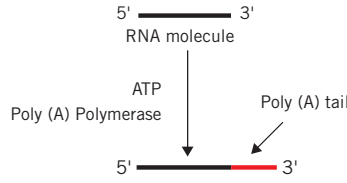
Genisphere Inc.
2801 Sterling Drive Hatfield, PA 19440
Tel: 877.888.3DNA 215.996.3002
Fax: 877.FAX.3DNA 215.996.3070
www.genisphere.com

Genisphere®

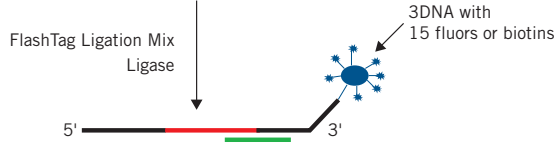
SIGNAL + SAMPLE AMPLIFICATION PRODUCTS

Procedure Overview:

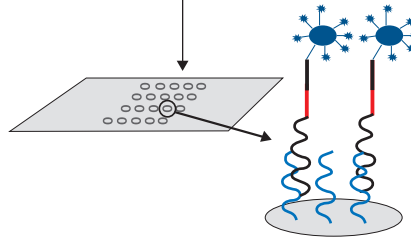
1 Poly (A) Tailing



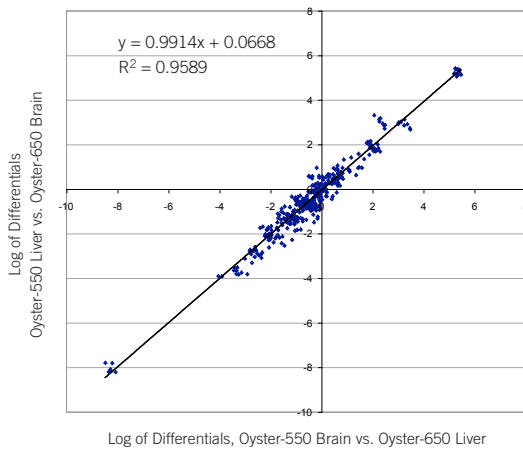
2 Ligation



3 Array Hybridization

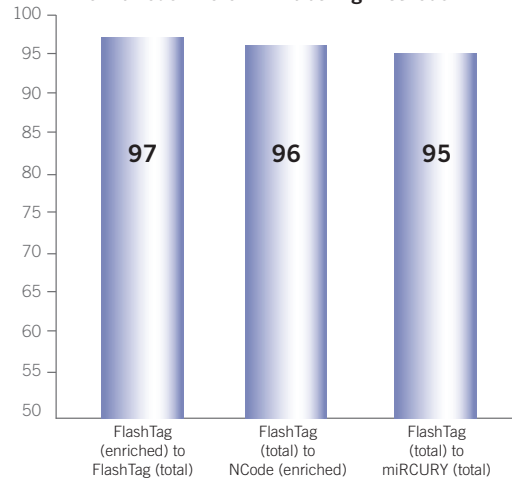


Dye Flip Experiment



Rat Brain and Liver Total RNA (Ambion) were enriched for LMW RNAs with YM-100 columns (Millipore). The LMW RNA from 1.5µg Total RNA was used in FlashTag labeling reactions (Genisphere) and hybridized to NCode microarrays (Invitrogen).

Percent concordance among present features for various microRNA labeling methods



Rat Brain RNA was labeled as follows:

- FlashTag with the LMW RNA from 1.5µg Total RNA.
- FlashTag with 1.5µg Total RNA.
- NCode with the LMW RNA from 9µg Total RNA.
- miRCURY with 2µg Total RNA.

The labeled RNAs were hybridized to NCode microarrays. Among present features, the data concordance was calculated (see bar graph) and the average signal intensities were:

FlashTag (enriched): 2000 RFU
FlashTag (total): 4200 RFU
NCode (enriched): 2300 RFU
miRCURY (total): 875 RFU

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Ordering Information:

Product	Number of Assays	Catalog Number
Oyster®-550 Kit	10	KR8850
Oyster®-650 Kit	10	KR8860
Biotin	10	KR8870