

# Application Note For Preparing Stratagene SpotReport<sup>®</sup> Controls

## Incorporating the *A. thaliana* mRNA Spikes in the Fluorescence-Labeling Reaction

The amount of *A. thaliana* mRNA spike to be added to your fluorescence labeling reaction is dependent upon the goal of your assay. A good starting point is 200 pg of each *A. thaliana* mRNA spike. Prior to dilution, the concentration of each individual *A. thaliana* mRNA spike should be measured spectrophotometrically in order to determine the amount of RNase free water to add for a concentration of 200 pg/ $\mu$ L. We recommend using the same number of *A. thaliana* mRNA spikes in each cDNA reaction (example: *A. thaliana* mRNA spike 1-5 in Cy3 reaction, *A. thaliana* mRNA spike 6-10 in Cy5 reaction). 1  $\mu$ L of each *A. thaliana* mRNA spike should be aliquoted in the corresponding (Cy3 or Cy5) 1.5 mL tube and dried down in a speedvac. Following evaporation, the cDNA reactions should be carried out in the tubes containing the appropriate dried *A. thaliana* mRNA spikes. Multiple tubes of *A. thaliana* mRNA spikes can be aliquoted and dried at one time and stored at -80 for use in subsequent cDNA reactions.