

Chapter 1

WT PLUS Reagent Kit

Product Information

Purpose of the Product

The WT PLUS Reagent Kit enables you to prepare RNA samples for whole transcriptome expression analysis with GeneChip® Whole Transcript (WT) Expression Arrays. The kit generates amplified and biotinylated sense-strand DNA targets from total RNA without the need for an up-front selection or enrichment step for mRNA. The kit is optimized for use with GeneChip® Sense Target (ST) Arrays.

The WT PLUS Reagent Kit uses a reverse transcription priming method that primes the entire length of RNA, including both poly(A) and non-poly(A) mRNA to provide complete and unbiased coverage of the transcriptome. The kit is comprised of reagents and a protocol for preparing hybridization-ready targets from 50 to 500 ng of total RNA (Figure 1.1). WT PLUS Reagent is optimized to work with a wide range of samples including tissues, cells, cell lines, and whole blood. The total RNA samples can be used directly without removal of ribosomal or globin RNA prior to target preparation with WT PLUS Reagent.

Safety



WARNING: For research use only. Not recommended or intended for diagnosis of disease in humans or animals. Do not use internally or externally in humans or animals.



CAUTION: All chemicals should be considered potentially hazardous. Therefore, we recommend that this product should be handled only by individuals who have been trained in laboratory techniques and used in accordance with the principles of good laboratory practice. Wear suitable protective clothing, such as gloves, a lab coat, and safety glasses. Care should be taken to avoid contact with skin and eyes. In case of contact with skin or eyes, wash immediately with water. See Safety Data Sheet (SDS) for specific advice.
