Isolate Total RNA from Plant Cells and Tissue

**SurePrep™ TrueTotal™ RNA Purification Kit (Part No. BP2800-50)**

The SurePrep technology provides a rapid method for purifying total RNA from cultured plant cells or calluses, soft tissues (new leaves, flowers, seedlings), and hard fibrous tissues (seeds, woody stems, needles). The kit purifies all sizes of RNA, from large mRNA and rRNA down to micro RNA (miRNA) without the use of phenol.

SurePrep RNA purification is based on spin column chromatography using a novel separation matrix. Plant tissue is disrupted in a Lysis Solution ensuring isolation of intact total RNA. The lysate is then diluted with ethanol and the sample applied directly to a SurePrep spin column where total RNA binds to the resin and most other cellular macromolecules such as protein and DNA are washed away without the use of phenol or chloroform. Up to 50 μg of high quality total RNA is then eluted, and can be used in downstream applications such as RT-PCR, Northern blotting, RNase protection, and expression array assays.

Call your customer service representative at 800-766-7000 or to order online at www.fishersci.com