



Figure 4.4. A poly(A) independent method for mRNA enrichment. Oligonucleotide primers (short blue lines) specific for ribosomal RNA sequences are used to generate rRNA/cDNA (represented by the red-dashed arrows) hybrids. The RNA moiety (black line) of these double-stranded hybrids is digested away with RNase H. Finally, the cDNA strand is removed with DNase I.

obtained with the Affymetrix *E. coli* GeneChip™ when these message-enriched RNA samples are used to generate biotin-labeled RNA targets (see Chapter 7). Typically, this procedure gets rid of about 90 percent of the ribosomal RNA in a bacterial total RNA preparation. Other protocols for the preparation and hybridization of prokaryotic and eukaryotic labeled targets to Affymetrix GeneChips™ as well as nylon filters and glass slide arrays also are described in Appendix A.