

# TRANSCRIPTME

LYO Reverse Transcriptase

## Troubleshooting

Problem	Possible cause	Solution
No cDNA synthesis or low efficiency synthesis	RNA has degraded	Store RNA at $-70^{\circ}\text{C}$ . Avoid subjecting the samples to repeated freezing and thawing. Place the RNA sample on ice or in a freezing rack immediately after thawing. Confirm the quality of RNA in a denaturing gel electrophoresis. To avoid RNA degradation use <b>RIBOPROTECT Hu</b> RNase Inhibitor.
	Insufficient RNA for a reaction or low-quality RNA	Increase the quantity of RNA. Carry out RNA precipitation including the washing step, using 70% ethanol, in order to remove reaction inhibitors such as SDS, EDTA, sodium phosphate, spermidine, guanidine salts and formamide.
Unexpected bands in the electrophoretic image	Isolated RNA sample contains genomic DNA	Treat the contaminated RNA sample with DNase I.