



## Bulk Enzyme Manufacturing

### Quality in any quantity

If you are looking for high-quality bulk enzyme manufacturing, you've come to the right place. Stratagene Custom Manufacturing Services has in-depth experience and expertise in protein expression in both bacteria and yeast, and in purification of recombinant and native proteins.

We have multiple, large-volume fermenters to handle gram to kilogram scale projects, and our 84,000 square feet manufacturing facility in Cedar Creek, Texas, is ISO 13485 registered and compliant. We are an excellent resource for your stringent documentation needs, required quality assurance steps, and the peace of mind that comes from working with a qualified supplier.

### Packaged your way

We will work with you to package the enzymes in the most efficient way for your application, from multi-vial dispensing to bulk containers in whatever buffer formulation you require. Choose from the common enzymes below, or let us know if you have a custom enzyme you would like to have manufactured, by us, especially for you.

Product	Description
AccuScript® High-Fidelity Reverse Transcriptase	Most accurate reverse transcriptase; create cDNA with 3-6 fold fewer errors than any other RT
AffinityScript™ Multiple Temperature Reverse Transcriptase	Improved performance over the broadest range of cDNA synthesis temperatures from 37–55°C
COT-1 DNA	Highly repetitive DNA. Ideal for blocking all nick translation, FISH probes and microarray related hybridizations.
T7 RNA Polymerase	High sequence specificity for T7 promoters; ideal for probes for nucleic acid hybridizations, templates for in vitro translations, substrates for RNA processing studies and exon and intron mapping of genomic DNA
T3 RNA Polymerase	High sequence specificity for T3 promoters; ideal for probes for nucleic acid hybridizations, templates for in vitro translations, substrates for RNA processing studies and exon and intron mapping of genomic DNA
RNase Free DNase I	Catalyzes the degradation of double-stranded DNA into oligonucleotides 1,2 and mononucleotides; isolated as a mixture of four isoenzymes that cut preferentially next to pyrimidine nucleotides; produces no noticeable RNA degradation
T4 DNA Ligase	Catalyzes the linkage of adjacent 5'-phosphate and 3'-hydroxy ends of double-stranded DNA by formation of a phosphodiester bond; Ligates double-stranded nucleic acid fragments; High efficiency at joining fragments with complementary sticky ends
Poly(A) Polymerase	<i>E. coli</i> poly A polymerase (PAP) catalyzes the addition of adenosine to the 3' end of RNA molecules, creating RNAs with poly-A tails up to 150 nucleotides long; may be used in a tailing reaction to add a poly-A tail onto an in vitro transcribed RNA or other purified RNA species; [32P]ATP may be used in the reaction to generate radiolabeled RNA
Exo-Klenow DNA Polymerase	Exonuclease-deficient version of Klenow fragment; For sequencing and labeling applications; recombinant source



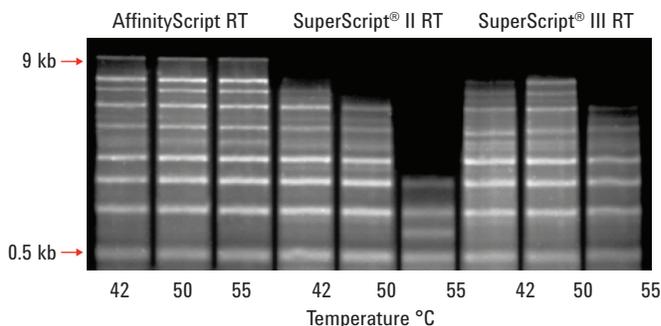
## Proven performers

Our expertise in enzyme engineering has produced one of the broadest and most robust portfolios of high-performance enzymes available today. Here are two of our most popular.

### Get more from less

#### *AffinityScript™ Multiple Temperature (MT) Reverse Transcriptase*

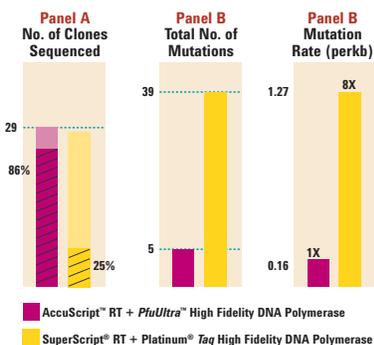
Engineered for high affinity to primer template complexes and thermostability from 37°C to 55°C, our AffinityScript MT is optimized for reverse transcription at the temperature best suited for transcribing through secondary structure. With 10-fold higher affinity to primer:template complexes compared to conventional MMLV reverse transcriptases, AffinityScript MT promotes excellent yields from low RNA starting amounts in RT-PCR and can produce full-length cDNA up to 20 kb.



### Premium full-length, first-strand capability

#### *AccuScript® High Fidelity (HF) Reverse Transcriptase (HF)*

AccuScript HFRT is an RNase H-deficient MMLV-derived reverse transcriptase engineered to deliver the highest transcription accuracy while promoting cDNA synthesis length, yield and RT-PCR performance. AccuScript HF is the only reverse transcriptase on the market that offers highest cDNA accuracy, with robust first-strand cDNA and RT-PCR yields from low RNA input amounts and exceptional full-length cDNA capability—making it the perfect choice for any application requiring premium first strand cDNA.



## Don't see what you want?

We're here to help. For more information on our common or custom bulk enzymes and manufacturing services, visit [www.agilent.com/genomics/custom\\_manufacturing](http://www.agilent.com/genomics/custom_manufacturing).

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