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Heat stability of various thermal stable DNA polymerases including recombinant and native forms of Vent™ DNA Polymerase. All were incubated at 100°C under standard assay conditions. AmpliTaq® - product of Perkin-Elmer Cetus - Lot #4984. HOT TUB™ - product of Amersham Corp - Lot #00053. NEN Replinase™ - product of DuPont - Lot #WP71810

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<td>fg</td>
<td>3-10 pg/ml</td>
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<td>Time rec'd</td>
<td>3-4 hrs</td>
<td>4-6 hrs</td>
<td>6 hrs to days</td>
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<tr>
<td>Selection</td>
<td>25 Human</td>
<td>-12</td>
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Are you familiar with the most frequently cited journal in the fields of genetics and development? "Genes & Development" tops the list, according to the 1989 Journal Citation Report recently released by ISI's Science Citation Index. Numerous papers from this monthly journal have also been highlighted in The Scientist, Trends in Genetics, and The Journal of NIH Research. Some noteworthy recent articles are listed below. "Genes & Development" reports major advances in all aspects of gene expression and regulation, with a special emphasis on elucidating normal and abnormal development and differentiation using the techniques of molecular genetics.

- POU-domain transcription factors: pou-er-ful developmental regulators
  Michael G. Rosenfeld

- Retinoic acid modifies mesodermal patterning in early Xenopus embryos
  A. Ruiz i Altaba and T. Jessell

- Transgenic mice provide new insights into the role of TGF-α during epidermal development and differentiation
  Robert Vassar and Elaine Fuchs

- Erythroleukemia induction by Friend murine leukemia virus: insertional activation of a new member of the ets gene family, Flt-1, closely linked to ets-1
  Yaacov Ben-David, Elizabeth B. Giddens, Kenneth Letwin, and Alan Bernstein

- Transformation of sensory organ identity by ectopic expression of Cut in Drosophila
  Karen Blochlinger, Lily Yeh Jan, and Yuh Nung Jan

- glass encodes a site-specific DNA-binding protein that is regulated in response to positional signals in the developing Drosophila eye
  Kevin Moses and Gerald M. Rubin

- DNA looping between sites for transcriptional activation: self-association of DNA-bound SP1
  Wen Su, Stephen Jackson, Robert Tjian, and Harrison Echols

- Mcm2 and Mcm3, two proteins important for ARS activity, are related in structure and function
  Hong Yan, Susan Gibson, and Bik K. Tye

- A group of interacting yeast DNA replication genes
  Kevin M. Hennessy, Angela Lee, Ellison Chen, and David Botstein
This new series of books which began publication in late 1990 explores one of the most topical subjects in biology - genome structure and function. *Genome Analysis* reviews the current studies of the genomes of man and other species. Each volume, published every four to six months, reviews the latest findings, methods, and ideas in gene and chromosome analysis, focusing on one broad theme. The invited contributions to each book are timely, informative, and short. The series is a unique and important information source for a new and fruitful field of investigation.

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- Hybridization Fingerprinting in Genome Mapping and Sequencing (Hans Lehrach et al.);
- Yeast Artificial Chromosomes: Promises Kept and Pending (Philip Hieter et al.);
- Germ-line Deletion Mutations in the Mouse: Tools for Intensive Functional and Physical Mapping of Regions of the Mammalian Genome (Eugene M. Rinchik and Liane B. Russell);
- Human DNA Polymorphisms Based on Length Variations in Simple-sequence Tandem Repeats (James L. Weber)

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ISBN 0-87969-358-4
Cloth $40

**Gene Expression and its Control**
*Genome Analysis Volume 2*

- Embryonic Stem Cells as a Route to an Experimental Mammalian Genetics System (Martin Evans);
- Insertional Mutagenesis (Michael Rudnicki and Rudolf Jaenisch);
- Chromosome Imprinting and Its Significance for Mammalian Development (Bruce Cattanach);
- The X-inactivation Center and Mapping of the Mouse X Chromosome (Stephen Brown);
- The Regulation of the Human B-Globin Locus (Niall Dillon et al.)

Summer 1991, 200 pp. (approx.)
illus., index
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**Genes and Phenotypes**
*Genome Analysis Volume 3*

- Molecular Analysis of Cystic Fibrosis (Lap Chee Tsui and Xavier Estivill);
- T-locus (Lee Silver);
- Sex Determination (Peter Goodfellow);
- Insulin-dependent Diabetes as a Model for Polygenic Disease (John Todd);
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Antibodies A LABORATORY MANUAL

Ed Harlow, Cold Spring Harbor Laboratory; David Lane, Imperial Cancer Research Fund Laboratories

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