Expedite nucleic acid synthesis system : proven economy / Perseptive Biosystems.

Contributors

Perseptive Biosystems.

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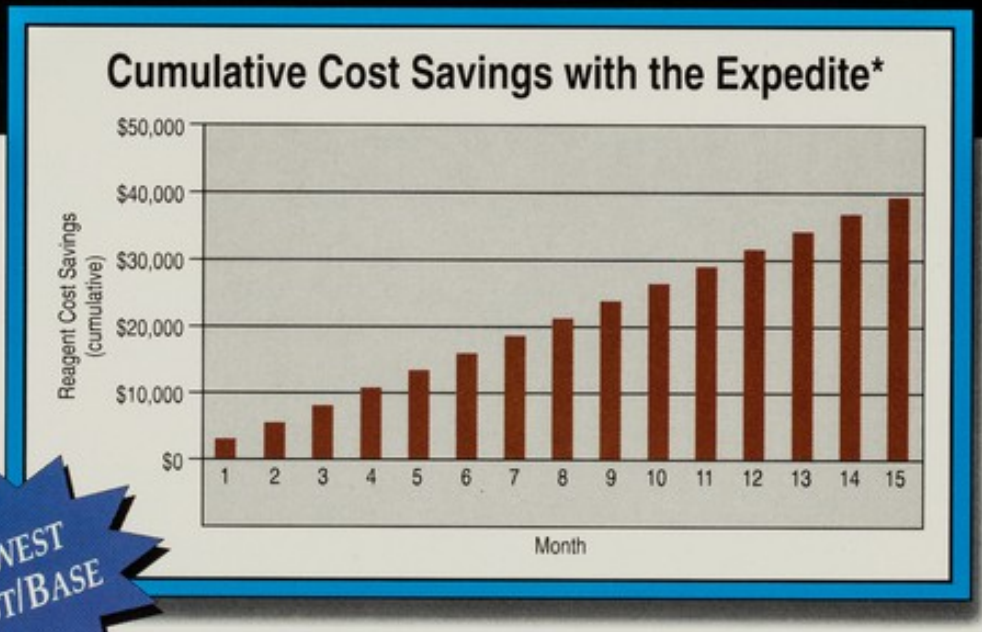
Now Available...
Version 2.0 Software
with Database

Expedite™ Nucleic Acid Synthesis System

Proven Economy



Lowest Cost/Base

PerSeptive Biosystems

With the Expedite Nucleic Acid Synthesis System...

Lowest Cost/Base

you can produce high quality oligonucleotides faster and at a lower cost than you can with other synthesis systems. For customers requiring the lowest cost per cycle synthesis, the Expedite has been the system of choice since its introduction. *Here's the Proof:*

Economical

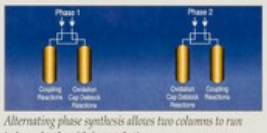
The patented microfluidics plate provides for extremely low reagent consumption. Reagent consumption is reduced by as much as 50% over most other systems.

Dramatically cut your costs with the Expedite system. Our patented micro-fluidic plate technology offers the lowest volume for precise delivery of reagents. Total consumption per cycle is <4.5 ml at the 0.05, 0.2, and 1.0 µmole scales. Extremely low consumption means the cost to synthesise your oligonucleotide is much lower and your waste disposal costs are reduced. *To find out exactly what your cost savings will be with the Expedite systems, call us at +49 (0) 761 452 240 or complete the attached fax form to obtain a personalised version of the cost analysis shown on the front cover.*

Fast

No matter how many columns you are running, total cycle time is always 3.5 minutes for 0.05, 0.2, and 1.0 µmole scale DNA synthesis on the Expedite system. You can simultaneously synthesise two 20-mers in approximately one hour. Each column is continuously synthesising; there are no idle periods while one column waits for the other. In synthesis systems with parallel synthesis, cycle times are extended; sequential synthesis systems are even slower.

Flexible



Alternating phase synthesis allows two columns to run independently with fast cycle times.

Independent columns and independent scales bring flexibility to your synthesis. You can synthesise DNA, RNA, thioates, long or short oligomers – it's your choice. You can start and stop an individual column without affecting the other column. Different scales and different protocols can be run simultaneously on the two columns: Synthesise 0.05 µmole of sequencing primer on one column while you assemble 15 µmole of antisense DNA on the other. Our new version 2.0 software with database adds further flexibility through synthetic oligonucleotide management.

High Quality

Without compromising quality, the Expedite system allows economical, fast and flexible oligonucleotide synthesis. Polyacrylamide gel electrophoresis illustrates the benefits of the high coupling efficiencies (>98%) obtained with the Expedite system and reagents. The high average coupling efficiency allows very long sequences of DNA to be produced consistently and reliably.

For a Personalised Cost Analysis...

The Expedite system offers you an economical, fast, flexible, and high quality alternative to your current synthesis system or the purchase of oligos from a custom service lab. For a personalised cost analysis, fax a copy of the attached page to +49 (0) 761 452 2424 or call us at +49 (0) 761 452 240.
This analysis will demonstrate the cost effectiveness of the Expedite system as compared to the system you currently use or the purchase of oligonucleotides from a custom service lab. The analysis includes a graph showing savings per month with the Expedite system, based on your cost of reagents and the number and length of oligonucleotides that you require. The graph also demonstrates your rapid rate of return on investment with the Expedite system. In many cases, the Expedite will pay for itself in under one year!

* *The graph on the cover shows typical reagent cost savings per month with use of the Expedite system. The graph demonstrates your rapid return on investment with the Expedite system.*

Complete and fax back for a chance to win a week-end trip to Hamburg to visit the NEW PerSeptive Biosystems manufacturing facility... and see The Phantom of the Opera!

- ☐ Please have an applications specialist contact me for a customised cost analysis or for a demonstration.
- ☐ Please send me more literature on the Expedite system.
- ☐ Please send me information on the new oligonucleotide purification tools from PerSeptive Biosystems.

I am interested in:

- ☐ Small scale Nucleic Acid synthesis
- ☐ Large scale Nucleic Acid Synthesis
- ☐ Nucleic Acid chemistry only
- ☐ Peptide nucleic acids (PNA's)
- ☐ Peptide synthesis

PerSeptive Biosystems' tools for purification

- ☐ BioCAD™ Workstation
- ☐ POROS® media

PerSeptive Biosystems' tools for biomolecular analysis

- ☐ INTEGRAL™ Workstation
- ☐ Voyager™ Biospectrometry™ Workstations

My purchase need is:

☐ Immediate (1-3 months) ☐ 3-6 months ☐ >6 months

Name: _____

Company/Institution: _____

Dept. _____ Bldg. _____ Room: _____

Address: _____

City: _____ Code: _____ Country: _____

Phone: _____ FAX: _____

The prize is awarded to the first reply card chosen at random from all cards received on December 31st 1995. The prize consists of travel for two to Hamburg, accommodation for two people in a double room, breakfast plus two tickets to a performance of 'The Phantom of the Opera' at Hamburg Opera.

NEW • STOP PRESS • NEW • STOP PRESS • NEW

The new Multiple Oligonucleotide Synthesis System Option (M.O.S.S.) can be added to any EXPEDITE™ system to expand the standard capabilities with unattended synthesis of 16 Oligonucleotides.

The latest PerSeptive Biosystems breakthrough.....

- Overnight operation capability
- Random access to columns for ultimate flexibility
- Interactive monitoring of all columns with auto-stop if there is a synthesis failure
- Modular design needs no additional bench space

Call for full details and to receive a specification sheet of the full capabilities of M.O.S.S.

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