

## **Molecular biology products / WAK-Chemie Medical GmbH.**

### **Contributors**

WAK-Chemie Medical (Firm)

### **Publication/Creation**

Bad Homburg : WAK-Chemie Medical, 1994.

### **Persistent URL**

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# *Innovative Products for Life Sciences*

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## MOLECULAR BIOLOGY PRODUCTS

### DNA ISOLATION REAGENTS

#### DNA MULTIPREP™ (BL-8610C/BL-8620C)

- \* Processes 96 separate DNA samples simultaneously
- \* All manipulations are performed in one plate with a multichannel pipette
- \* Isolates genomic DNA from blood and mammalian cells
- \* Can be used for large scale screening, forensic testing, medical diagnostics and reverse genetics

#### DNA SINGLE TUBE (BL-5500)

- \* Extraction and precipitation is accomplished in a single tube
- \* Fast, easy and safe DNA isolation from white blood cells, tissues, cultured cells, plasmid DNA and other specimens

#### LAMBDA FaZe™ (BL-9500/BL-9600)

- \* Isolates pure Lambda DNA from phages
- \* Fast, easy method completed in 45 minutes from 1,5 ml liquid culture (MiniPrep) or in a few hours from 10-50 ml of liquid culture (MaxiPrep)
- \* Doesn't require overnight CsCl ultracentrifugation
- \* Isolated Lambda DNA is highly purified and is completely free from bacterial RNA, DNA, proteins and RNase
- \* Suitable for restriction enzyme analysis, PCR, in-vitro translation, subcloning and sequencing

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## RNA ISOLATION REAGENTS

### **RNAzol<sup>TM</sup>** (CS-102)

- \* Isolates in a high yield undegraded RNA in 3 hours from tissues and cells with a single reagent
- \* Isolated RNA is ready for dot-blot hybridization, Northern blotting, molecular cloning, in-vitro translation, PCR, S1 protection and other enzymatic assays

### **RNAzol<sup>TM</sup>B** (CS 105)

- \* Faster 1,5 hour second generation total RNA isolation method
- \* Blue color added to the reagent to facilitate organic/ aqueous phase separation
- \* Applications are the same as those of RNAzol

### **TRISOLV<sup>TM</sup>** (BL-9320)

- \* Faster 1-hour third generation total RNA single-step method
- \* Red color added to the reagent to facilitate organic/ aqueous phase separation

### **ULTRASPEC<sup>TM</sup> RNA** (BL-10200)

- \* 1-hour total RNA isolation method based on Chaosolv<sup>TM</sup> as denaturing agent
- \* Isolates in high yield and high quality undegraded RNA from tissues and cells
- \* Isolated RNA is ready for Northern analysis, dot blot hybridization, poly A<sup>+</sup> selection, in-vitro translation, RNase protection assay, molecular cloning, and for PCR without additional treatment with DNase

### **CHAOSOLV<sup>TM</sup>** (BL-9420)

- \* A 14M solution blend of guanidine salts and urea

### **PROTEINASE K (PROKAY<sup>TM</sup>)** (BL-9810/BL-9905)

- \* From Tritrichium album of specific activity >30U/mg
- \* Free of RNase and DNase activities

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## SIMULTANEOUS RNA/DNA ISOLATION KIT

### SNAP-O-SOL™

(BL-8720)

- \* Simultaneous isolation of RNA and DNA from the same sample
- \* Separates high quality undegraded RNA and DNA from tissues and cells

## mRNA PURIFICATION KITS

### EXPRESEP™

(BL-5900)

- \* Isolates in high yield undegraded total RNA in 1 hour and/or mRNA from purified total RNA in 45 minutes
- \* Based on oligo (dT)-cellulose spin column chromatography

### ONTRACK™

(BL-6000)

- \* Isolates in high yield undegraded mRNA in 45 minutes directly from 10 - 4500 mg of tissue or  $10^3$ - $4,5 \times 10^8$  cells
- \* Based on oligo (dT)-cellulose spin column chromatography

### mRNA ISOLATION BUFFER SET (BL-6100)

- \* A set of RNase free buffer are available separately for regeneration and repeated use of oligo (dT)-cellulose columns provided in the EXPRESEP™ and ONTRACK™

## mRNA KIT COMPONENTS AVAILABLE SEPARATELY

### OLIGO (dT)-CELLULOSE

(BL-5907)

- \* RNase free

### LARGE SPIN COLUMNS

(BL-5908)

- \* RNase free

### MICRO SPIN COLUMNS

(BL-5909)

- \* RNase free

### MICROFUGE TUBE

(BL-5910)

- \* RNase free

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## HYBRIDIZATION REAGENTS

### HIGH EFFICIENCY TRANSFER SOLUTION (HETS) (CS-103)

- \* For Northern/Southern hybridizations
- \* Replaces SSC and SSPE solutions

### BLOCKING REAGENT FOR HYBRIDIZATION (BL-4500)

- \* Prevents non-specific binding of hybridization probes
- \* Replaces denaturated sheared salmon sperm DNA

### HIGH EFFICIENCY HYBRIDIZATION REAGENT (BL-4600/BL-4800)

- \* For Northern/Southern and dot-blot hybridizations
- \* Replaces SSC, SSPE and Denhardtts solutions
- \* For the detection of mRNA in presence of total RNA
- \* For signal enhancement of double stranded probes

### LOW BACKGROUND HYBRIDIZATION REAGENT (BL-5000/BL-5200)

- \* Replaces SSC, SSPE and Deinhardtts solutions
- \* For Northern/Southern and dot-blot hybridizations
- \* For single stranded RNA probes and single/double stranded DNA probes

### NORTHERN/SOUTHERN TRANSFER REAGENT (BL-5400)

- \* Replaces SSC and SSPE solutions
- \* For transfer of RNA/DNA from formaldehyde-agarose gels
- \* Increases transfer intensity and allows visualisation of RNA-DNA bands on certain hybridization membranes without ethidium bromide staining

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## ULTRASPEC™ BUFFER CONCENTRATES

All buffers are prepared with molecular biology reagents and sterile water treated with diethyl pyrocarbonate to inactivate RNase and other nucleases

TRIS-ACETATE-EDTA-BUFFER 10x (BL-6510)

\* 0,4 M Tris-acetate, 0,01 M EDTA pH 8.3

TRIS-BORATE-EDTA-BUFFER 5x (BL-6520)

\* 0,445 M Tris, 0,445 M boric acid, 0,01 M EDTA pH 8.3

TRIS-EDTA-BUFFER 100x (BL-6530)

\* 1 M Tris, 0,1 M EDTA pH 8.0

TRIS-PHOSPHATE-EDTA-BUFFER 10x (BL-6340)

TRIS-GLYCINE-BUFFER 10x (BL-6730)

\* 0,25 M Tris base and 1,92 M Glycin, pH 8.3

GELPREP, DENATURING SOLUTION 1x (BL-6740)

\* 1mM Tris, 1,5 mM NaCl

PBS, pH 7,4 10x (BL-6760)

\* 80 mM Na<sub>2</sub>HPO<sub>4</sub>, 1,5M NaCl, 20 mM KH<sub>2</sub>PO<sub>4</sub>, 30 mM KCl

TBS, pH 7,4 10x (BL-6770)

\* 0,5 M Tris-HCl, 30 mM KCl, 2M NaCl

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## MOLECULAR BIOLOGY PRODUCTS

Biotech Price List 1994

### DNA ISOLATION REAGENTS

DNA MULTIPREP™	BL-8610C 1 Plate	96 Samples	382,-DM
	BL-8620C 2 Plates	192 Samples	675,-DM
DNA SINGLE TUBE	BL-5500	25 Samples	720,-DM
LAMBDA FaZe™	BL-9500 (MiniPrep)	50 Samples	630,-DM
	BL-9600 (MaxiPrep)	25 Samples	698,-DM

### RNA ISOLATION REAGENTS

RNAzol™	CS-102	200 ml	622,-DM
RNAzolB™	CS-105	200 ml	678,-DM
TRISOLV™	BL-9320	200 ml	793,-DM
ULTRASPEC™ RNA	BL-10200	200 ml	760,-DM
CHAOSOLV™	BL-9420	200 ml	348,-DM
PROTEINASE K (PROKAY™)	BL-9850	Powder 100 mg	225,-DM
	BL-9905	Solution 5 ml	315,-DM

### SIMULTANEOUS RNA/DNA ISOLATION KIT

SNAP-O-SOL™	BL-8720	200 Samples	622,-DM
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### mRNA PURIFICATION KITS

EXPRESEP™	BL-5900	1 kit	832,-DM
ONTRACK™	BL-6000	1 kit	877,-DM
mRNA ISOLATION BUFFER SET	BL-6100	1 Set	292,-DM

### mRNA KIT COMPONENTS AVAILABLE SEPARATELY

OLIGO (dT)-CELLULOSE	BL-5907	8x50mg	337,-DM
LARGE SPIN COLUMNS	BL-5908	pk of 25	202,-DM
MICRO SPIN COLUMNS	BL-5909	pk of 25	225,-DM
MICROFUGE TUBE	BL-5910	pk of 100	144,-DM

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## HYBRIDIZATION REAGENTS

HIGH EFFICIENCY TRANSFER SOLUTION (HETS) CS-103	500 ml	260,-DM
BLOCKING REAGENT FOR HYBRIDIZATION BL-4500	50 ml	427,-DM
HIGH EFFICIENCY HYBRIDIZATION REAGENT BL-4500 (for 68°C)	200 ml	405,-DM
BL-4800 (for 42°C)	200 ml	495,-DM
LOW BACKGROUND HYBRIDIZATION REAGENT BL-5000 (for 68°C)	200 ml	405,-DM
BL-5200 (for 42°C)	200 ml	427,-DM
NORTHERN/SOUTHERN TRANSFER REAGENT BL-5400	500 ml	315,-DM

## ULTRASPEC™ BUFFER CONCENTRATES

TRIS-ACETATE-EDTA-BUFFER 10x BL-6510	1000 ml	240,-DM
TRIS-BORATE-EDTA-BUFFER 5x BL-6520	1000 ml	240,-DM
TRIS-EDTA-BUFFER 100x BL-6530	1000 ml	240,-DM
TRIS-PHOSPHATE-EDTA-BUFFER 10x BL-6540	1000 ml	240,-DM
TRIS-GLYCINE-BUFFER 10x BL-6730	1000 ml	240,-DM
GELPREP, DENATURING SOLUTION 1x BL-6740	1000 ml	240,-DM
PBS, pH 7,4 10x BL-6760	1000 ml	240,-DM
TBS, pH 7,4 10x BL-6770	1000 ml	240,-DM

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