



# LIFE SCIENCES CATALOGUE

**Diamed Life Sciences** is proud to partner with **ABM** a Canadian company of 8 years, to bring you the very best reagents for your PCR, RT-PCR and qRT-PCR applications



## ABM Life Science Products

Diamed is now offering a new line of life science products through ABM, a Canadian company of 9 years.



### Protein identification and purification

- ✓ Primary and secondary antibodies
- ✓ Tag antibodies
- ✓ Western blot reagents
- ✓ Agarose beads

### Antibiotics

- ✓ Ampicillin
- ✓ Kanamycin
- ✓ Rapamycin
- ✓ And many more!

### Laboratory Reagents

- ✓ Tris
- ✓ Tween 20
- ✓ Hepes
- ✓ Agarose
- ✓ Glycerol
- ✓ LB
- ✓ And many more!

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## THE DIAMED GUARANTEE

Diamed Guarantees that all of its products meet or exceed manufacturer's specifications.

**Ask us about Available Products**

# For Cell Culture



ABM Transfection Reagents, 1 ml, Each

## ABM Transfection Reagents

- High Transfection efficiency with low cytotoxicity
- Applicable to transfect a wide range of cells, including primary cells

ABMG2100	DNAfectin	\$186.00
ABMG074	Lentifectin	\$198.00
ABMG073	RNAfectin	\$210.00

## EasyScript™ Reverse Transcriptase



Synthesize cDNA from only 0.1pg of RNA with abm's EasyScript™ Reverse Transcriptase.

Using strategic modifications, abm's EasyScript™ Reverse Transcriptase lacks the intrinsic RNase H activity, which abolishes the degradation of RNA, thereby drastically increasing the yield and the achievable synthesized cDNA length (up to 9kb). In addition, EasyScript™ contains a fidelity-enhancing subunit which ensures superior accuracy in reverse transcription reaction(s).

With abm's EasyScript™ Reverse Transcriptase, you can expect:

- ✓ Synthesizing cDNA from a ssRNA
- ✓ DNA primer extension
- ✓ Sequencing dsDNA
- ✓ Constructing cDNA library
- ✓ Constructing libraries for serial analysis for gene expression (SAGE)
- ✓ Synthesizing cDNA in rapid amplification of cDNA ends (3' & 5' RACE)
- ✓ Producing template for use in RT-PCR or real-time RT-PCR
- ✓ Labelling 3'-end of duplex DNA via end-filling reactions
- ✓ Generating probes for hybridization.
- ✓ Enzyme supplied with 5x RT buffer

**Highest Accuracy Rate when compared to other Reverse Transcriptases**

ABMG231	EasyScript™ Reverse Transcriptase	25 reactions of 20 µl	\$42.00
ABMG232	EasyScript™ Reverse Transcriptase	100 reactions of 20 µl	\$105.00

## abm Reverse Transcriptase Selection Guide

	Amplification Length	Active Temperature	Sensitivity	Proofreading	Suitable for complex DNA
EasyScript™		42°C	★★★★★	✓	
EasyScript Plus™		45°C - 55°C	★★★★★	✓	✓

## EasyScript™ Plus Reverse Transcriptase

Synthesize cDNA from complex RNA templates (i.e. secondary structures and high GC content) with abm's EasyScript™ Plus Reverse Transcriptase. Engineered to perform under high temperatures (45° - 55° C), abm's EasyScript™ Plus Reverse Transcriptase can synthesize full-length cDNA libraries from RNA templates up to 15kb in length. In addition, EasyScript Plus™ Reverse Transcriptase has outstanding proofreading ability due to the presence of a fidelity-enhancing subunit, thus making this RTase an excellent choice for whole genome sequencing.

With abm's EasyScript™ Plus Reverse Transcriptase, you can expect:

- ✓ Longer DNA primer extension up to 15kb
- ✓ Sequencing more complex dsDNA
- ✓ Active at higher temperature range (45°-55°C)
- ✓ Synthesizing cDNA from a ssRNA
- ✓ Constructing cDNA library
- ✓ Constructing libraries for serial analysis for gene expression (SAGE)
- ✓ Synthesizing cDNA in rapid amplification of cDNA ends (3' & 5' RACE)
- ✓ Producing template for use in RT-PCR or real-time RT-PCR
- ✓ Labelling 3'-end of duplex DNA via end-filling reactions
- ✓ Generating probes for hybridization
- ✓ Enzyme supplied with 5x RT buffer

ABMG177	EasyScript™ Plus Reverse Transcriptase	25 reactions of 20 µl	\$52.50
ABMG237	EasyScript™ Plus Reverse Transcriptase	100 reactions of 20 µl	\$150.00

## First Strand EasyScript™ cDNA Synthesis Kit

**Choose your priming methods with abm's EasyScript™ cDNA Synthesis Kit.** abm's cDNA Synthesis kit provides a comprehensive set of reagents necessary to generate high quality cDNA and offers the most flexibility in respect to priming methods and reaction optimization. Both random primers and oligo(dT) are included for a choice of general priming strategies and as alternatives to gene-specific primers.

This kit employs abm's EasyScript™ Reverse Transcriptase.

With abm's EasyScript™ cDNA Synthesis Kit, you can expect:

- ✓ Maximal flexibility in priming – oligo(dT), random primers or gene-specific primers
- ✓ Robust cDNA synthesis from any RNA template
- ✓ High reproducibility and excellent yield
- ✓ Synthesizing cDNA from ssRNA
- ✓ DNA primer extension
- ✓ Sequencing dsDNA
- ✓ Constructing cDNA library
- ✓ Producing template for use in RT-PCR
- ✓ Labelling 3'-end of duplex DNA via end-filling reactions
- ✓ Generating probes for hybridization

Active Temperature	42°C
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ABMG233	EasyScript™ cDNA Synthesis Kit	25 reactions of 20 µl	\$65.00
ABMG234	EasyScript™ cDNA Synthesis Kit	100 reactions of 20 µl	\$140.00

## First Strand EasyScript™ Plus cDNA Synthesis Kit

**Choose your priming methods with abm's EasyScript™ Plus cDNA Synthesis Kit.** abm's cDNA Synthesis kit provides a comprehensive set of reagents necessary to generate high quality cDNA and offers the most flexibility in respect to priming methods and reaction optimization. Both random primers and oligo(dT) are included for a choice of general priming strategies and as alternatives to gene-specific primers.

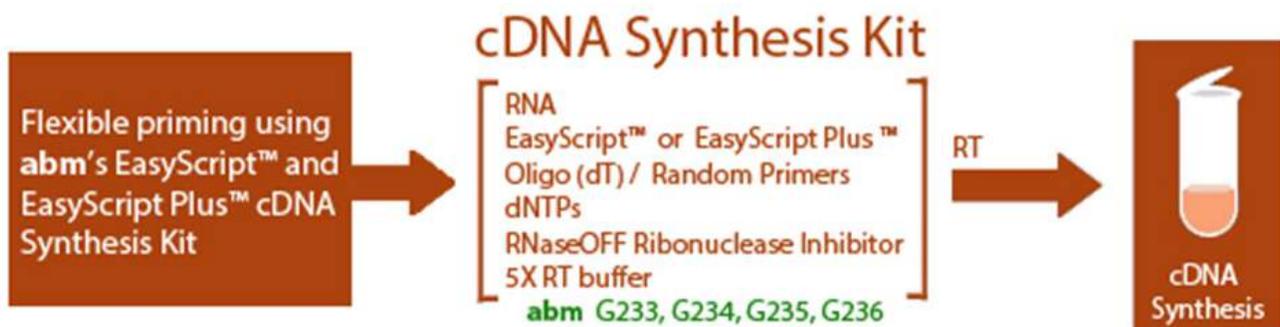
This kit employs abm's EasyScript™ Plus Reverse Transcriptase.

With abm's EasyScript™ Plus cDNA Synthesis Kit, you can expect:

- ✓ Maximal flexibility in priming – oligo(dT), random primers or gene-specific primers
- ✓ Robust cDNA synthesis from any RNA template
- ✓ High reproducibility and excellent yield
- ✓ Synthesizing cDNA from ssRNA
- ✓ DNA primer extension
- ✓ Sequencing dsDNA
- ✓ Constructing cDNA library
- ✓ Producing template for use in RT-PCR
- ✓ Labelling 3'-end of duplex DNA via end-filling reactions
- ✓ Generating probes for hybridization

Active Temperature	45°-55°C
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ABMG235	EasyScript™ Plus cDNA Synthesis Kit	25 reactions of 20 µl	\$95.00
ABMG236	EasyScript™ Plus cDNA Synthesis Kit	100 reactions of 20 µl	\$375.00



## First Strand EasyScript™ cDNA Synthesis SuperMix

Convenient and time-saving reaction set-up with abm's EasyScript™ cDNA Synthesis SuperMix.



abm's cDNA Synthesis SuperMix provides highly efficient and specific conversion of RNA to cDNA, even from low-abundance transcripts. Furthermore, the unique blend of random primers and oligo(dT) primers in this SuperMix ensures optimal representation of all transcript sequences in the cDNA product. Overall, abm's cDNA Synthesis SuperMix allows you to perform first-strand cDNA synthesis with minimal effort and maximum ease.

This optimized reaction mixture contains RNase OFF Ribonuclease Inhibitor, dNTP's, a balance concentration of oligo (dT) and random primers.

This SuperMix employs abm's EasyScript™ Reverse Transcriptase. (Pg 2)

With abm's EasyScript™ cDNA Synthesis SuperMix, you can expect:

- ✓ Streamlined protocol suitable for high-throughput applications
- ✓ Ease of use with a simple set-up
- ✓ Excellent cDNA yield
- ✓ Generation of templates for use in RT-PCR and qRT-PCR
- ✓ cDNA synthesis from ssRNA
- ✓ cDNA library construction
- ✓ Generation of probes for hybridization
- ✓ DNA primer extension
- ✓ RTase is in storage buffer containing 50 % glycerol

Active Temperature	42°C
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ABMG451	EasyScript™ cDNA Synthesis SuperMix	25 reactions of 20 µl	\$65.00
ABMG452	EasyScript™ cDNA Synthesis SuperMix	100 reactions of 20 µl	\$200.00

## First Strand EasyScript™ Plus cDNA Synthesis SuperMix

Convenient and time-saving reaction set-up with abm's EasyScript™ Plus cDNA Synthesis SuperMix. abm's cDNA Synthesis SuperMix provides highly efficient and specific conversion of RNA to cDNA, even from low-abundance transcripts. Furthermore, the unique blend of random primers and oligo(dT) primers in this SuperMix ensures optimal representation of all transcript sequences in the cDNA product. Overall, abm's cDNA Synthesis SuperMix allows you to perform first-strand cDNA synthesis with minimal effort and maximum ease.

This optimized reaction mixture contains RNase OFF Ribonuclease Inhibitor, dNTP's, a balance concentration of oligo (dT) and random primers.

This SuperMix employs abm's EasyScript™ Plus Reverse Transcriptase. (Pg 2)

With abm's EasyScript™ Plus cDNA Synthesis SuperMix, you can expect:

- ✓ Streamlined protocol suitable for high-throughput applications
- ✓ Ease of use with a simple set-up
- ✓ Excellent cDNA yield
- ✓ Generation of templates for use in RT-PCR and qRT-PCR
- ✓ cDNA synthesis from ssRNA
- ✓ cDNA library construction
- ✓ Generation of probes for hybridization
- ✓ DNA primer extension
- ✓ RTase is in storage buffer containing 50 % glycerol

Active Temperature	45°-55°C
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ABMG453	EasyScript™ Plus cDNA Synthesis SuperMix	25 reactions of 20 µl	\$95.00
ABMG454	EasyScript™ Plus cDNA Synthesis SuperMix	100 reactions of 20 µl	\$255.00



## 5X All-In-One RT MasterMix.

### This is a smarter cDNA synthesis solution.

The ABM's 5x all-in-one RT mastermix allows you to synthesize cDNA from RNA template in just 15 minutes. All you need to do is just add RNA and this optimized system will provide sensitive and reliable cDNA synthesis over a dynamic range of input RNA. The mastermix eliminates the need to add multiple components and reduces handling errors with only 1 liquid transfer step.

With abm's all-in-one RT mastermix, you can expect:

- ✓ • Generation of templates for use in RT-PCR and qRT-PCR
- ✓ • cDNA synthesis from ssRNA
- ✓ • cDNA library construction
- ✓ • Generation of probes for hybridization
- ✓ • DNA primer extension
- ✓ • Easy, convenient, reproducible with high yield

ABMG485	5X All-In-One RT MasterMix	25 reactions of 10 µl	\$35.00
ABMG486	5X All-In-One RT MasterMix	100 reactions of 10 µl	\$105.00

## AccuRT Genomic DNA Removal Kit

abm's AccuRT Genomic DNA Removal Kit offers a quick and easy method to eliminate genomic DNA (gDNA) contamination in RNA samples.

The presence of genomic DNA (gDNA) in RNA preparations will lead to false-positive results and misrepresentation of gene expression levels. Common methods of gDNA removal, such as DNase I treatment and intelligent primer design, still have their limitations and can result in RNA degradation and insufficient PCR amplification.

abm's AccuRT gDNA Removal Kit is the quick and easy solution to accurate reverse transcription.

- ✓ The elimination of gDNA is completed within 10 minutes without compromising the RNA quality or RNA degradation
- ✓ This kit is fully compatible with any commercial cDNA synthesis kit of the end user's choice
- ✓ The advanced formulation of abm's AccuRT gDNA Removal Reaction Mix facilitates efficient and total removal of gDNA, while the 'Reaction Stop' solution will quickly and effectively terminate the reaction
- ✓ ABM's optimized Reaction Stopper leads to AccuRT's activity is silenced completely and the treated sample is ready for all downstream applications
- ✓ No heat inactivation required

ABMG488	AccuRT Genomic DNA Removal Kit	200 reactions	\$61.25
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## Taq DNA Polymerase



**Routine amplification in a cost-effective way? abm's Taq DNA Polymerase is the answer.** abm's Taq DNA polymerase offers consistent results across a wide range of DNA templates with excellent yield and sensitivity. This conventional polymerase is most suitable for PCR applications where less emphasis is placed on fidelity.

With abm's Taq DNA Polymerase, you can expect:

- ✓ Robust PCR performance with great reproducibility
- ✓ Suitable for a wide range of PCR assays, TA cloning & routine PCR amplification of DNA templates up to 6 kb
- ✓ High sensitivity

ABMG009	DNA Polymerase	200 µl (1,000 U)	\$60.00
ABMG008	DNA Polymerase	1.0 ml (5,000 U)	\$247.50
ABMG126	DNA Polymerase	2 x 1.0 ml (10,000 U)	\$412.50
ABMG013	2x PCR Mastermix	5.0 ml (200 rxns)	\$86.26
ABMG013-dye	2x PCR Mastermix with dye	5.0 ml (200 rxns)	\$103.75



## Safe-Green™ 2X PCR Taq MasterMix

Everything you need for PCR amplification and instant band visualization, in a single solution.

- ✓ For PCR amplification and instant band visualization in a single solution
- ✓ The use of Taq DNA Polymerase in this MasterMix offers robust PCR performance with great reproducibility and high sensitivity
- ✓ Safe-Green™ reagent allows immediate visualization of amplified PCR product
- ✓ Saves time and eliminates the use of the toxic Ethidium Bromide
- ✓ This MasterMix contains Xylene Cyanol and Orange G as electrophoresis dyes, with migration equivalent to 4000bp and 50bp DNA fragment on an agarose gel, respectively

ABMG472	Safe-Green™ 2X PCR Taq MasterMix,	5ml (200 rxn)	\$105.00
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## abm DNA Polymerase Selection Guide

	Target Length	Extension Speed (per min)*	Specificity / Fidelity*	Proofreading	MasterMix
<b>Bestaq™</b>	1 kb 5 kb 10 kb 20 kb	1 kb 3 kb 5 kb	★★★ / 50X	✓	✓
<b>Precision™</b>	1 kb 5 kb 10 kb 20 kb	1 kb 3 kb 5 kb	★★★ / 60X	✓	✓
<b>Taq</b>	1 kb 5 kb 10 kb 20 kb	1 kb 3 kb 5 kb	★★ / 1X		✓
<b>HotStart</b>	1 kb 5 kb 10 kb 20 kb	1 kb 3 kb 5 kb	★★★★ / 1X		
<b>Taq Plus</b>	1 kb 5 kb 10 kb 20 kb	1 kb 3 kb 5 kb	★★ / 5X	✓	✓
<b>TaqFast</b>	1 kb 5 kb 10 kb 20 kb	1 kb 3 kb 5 kb	★★★ / 10X	✓	✓
<b>Long-Range</b>	1 kb 5 kb 10 kb 20 kb	1 kb 3 kb 5 kb	★★★ / 1X		
<b>Bloodirect</b>	1 kb 5 kb 10 kb 20 kb	1 kb 3 kb 5 kb	★★ / 1X		✓

\* Compared to Taq Polymerase

## Bestaq™ DNA Polymerase

**Looking to improve? Bestaq™ DNA Polymerase is the new standard.** With outstanding PCR yield, exceptional fidelity and high processivity; this versatile enzyme is ideal for all PCR applications. With this superior enzyme, you can consolidate all PCR protocols and reactions into one efficient system.

With abm's Bestaq™ DNA Polymerase, you can expect:

- ✓ High-speed PCR without compromising accuracy
- ✓ High-processivity to reduce reaction time by 70%
- ✓ Robust and high yield across a wide range of templates
- ✓ Efficient amplification of DNA templates up to 15kb
- ✓ Designed for High-throughput PCR, RACE & NGS Library construction through robust amplification of AT- and GC-Rich sequences

ABMG456	DNA Polymerase	50 µl (250 U)	\$80.00
ABMG457	DNA Polymerase	200 µl (1,000 U)	\$245.00
ABMG464	2x PCR Mastermix	5.0 ml (200 rxns)	\$150.00
ABMG464-dye	2x PCR Mastermix with dye	5.0 ml (200 rxns)	\$150.00

## Safe-Green™ 2X PCR Bestaq™ MasterMix

**This is a unique product to ABM, an all-inclusive formula; PCR components, loading and Fluorescent dye.**

- ✓ Single solution for PCR amplification and instant band visualization
- ✓ The MasterMix contains all necessary reagents for PCR along with a non-mutagenic Safe-Green™ reagent which allows immediate visualization of amplified PCR product
- ✓ The use of Bestaq™ DNA Polymerase in this MasterMix offers:
  - ✓ High-speed PCR without compromising accuracy
  - ✓ High-processivity to reduce reaction time by up to 70%
  - ✓ Robust and high yield across a wide range of templates
  - ✓ Efficient amplification of DNA templates up to 15kb
- ✓ This is simple, time saving and biosafe procedure that eliminates the use of Ethidium Bromide
- ✓ This MasterMix contains Xylene Cyanol and Orange G as electrophoresis dyes, with migration equivalent to 4000bp and 50bp DNA fragment on an agarose gel, respectively

ABMG478	Safe-Green™ 2X PCR Bestaq™ MasterMix	5 ml (200 rxn)	\$168.75
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## Taq Plus DNA Polymerase

**Looking for Cost-effective quick PCR with improved fidelity? Use abm's Taq Plus DNA Polymerase.** abm's Taq Plus DNA polymerase employs an optimized two-polymerase blend that provides high product yield, sensitivity and fidelity. Taq Plus DNA Polymerase can be used in a variety of general PCR experiments, providing improved efficiency and performance at a reduced cost.

With abm's Taq Plus DNA Polymerase, you can expect:

- ✓ Improved sensitivity and fidelity compared to conventional Taq DNA Polymerase
- ✓ Robust and consistent performance across a wide range of templates
- ✓ An economical alternative to Taq DNA Polymerase
- ✓ Suitable for a wide range of PCR assays, routine PCR amplification of DNA templates up to 6 kb & TA cloning

ABMG012	DNA Polymerase	50 µl (250 U)	\$50.00
ABMG040	DNA Polymerase	200 µl (1,000 U)	\$130.00
ABMG014	2x PCR Mastermix	5.0 ml (200 rxns)	\$140.00
ABMG014-dye	2x PCR Mastermix with dye	5.0 ml (200 rxns)	\$90.00

## Precision™ DNA Polymerase

Are you frustrated with amplification errors? Let us introduce you to abm's Precision™ DNA Polymerase.

Significant time and effort can be saved by using high fidelity polymerases that eliminates the need for downstream error-correction steps. The use of Precision™ DNA Polymerase for rare DNA templates is imperative as small amounts of DNA are especially prone to high mutant frequencies. abm's Precision™ DNA Polymerase is the ideal choice for applications demanding high fidelity PCR products.

With abm's Precision™ DNA Polymerase, you can expect:

- ✓ Outstanding accuracy and efficiency through Error-free PCR products for downstream processes
- ✓ A product designed for whole genome sequencing, Site-directed mutagenesis, blunt-end cloning, as well as, specific amplification of difficult templates (i.e. GC-Rich) & low copy PCR assays

ABMG078	DNA Polymerase	100 µl (500 U)	\$160.00
ABMG124	2x PCR Mastermix	5.0 ml (200 rxns)	\$180.00
ABMG124-dye	2x PCR Mastermix with dye	5.0 ml (200 rxns)	\$180.00

## HotStart DNA Polymerase (PCR)

Are you experiencing problems with non-specific amplification and primer-dimer formation? Try abm's HotStart DNA Polymerase. HotStart DNA Polymerase is chemically modified such that the Taq enzyme is inactivated by a heat-labile group at room temperature. This feature significantly reduces non-specific product formations that would otherwise compete for reagent availability. Thus, abm's HotStart DNA Polymerase offers improved yield of desired PCR products.

With abm's HotStart DNA Polymerase, you can achieve:

- ✓ The highest specificity with minimal background
- ✓ Superior performance
- ✓ Improved yield of desired product
- ✓ Assays with prolonged reaction setup or liquid handling
- ✓ Success with a product designed for multiplex PCR, specific amplification of difficult templates (i.e. G-C rich), low copy PCR assays & TA Cloning

ABMG011	DNA Polymerase	50 µl (250 U)	\$70.00
ABMG039	DNA Polymerase	200 µl (1,000 U)	\$172.50

## TaqFast DNA Polymerase

Short on time? Send abm's TaqFast DNA Polymerase to the rescue. With extension rate as fast as 10 sec/kb (compared to 60 sec/kb with regular Taq), abm's TaqFast DNA polymerase offers the ultimate speed to dramatically reduce total reaction time. In addition to improved processivity, TaqFast DNA polymerase also possesses moderate 3'-5' proofreading activity, making this enzyme well suited for high-throughput PCR.

With abm's TaqFast DNA Polymerase, you can expect:

- ✓ High-speed PCR without compromising accuracy
- ✓ High-processivity to reduce reaction time by 80%
- ✓ Designed for Fast PCR & High-throughput PCR

ABMG277	DNA Polymerase	50 µl (250 U)	\$60.00
ABMG278	DNA Polymerase	200 µl (1,000 U)	\$180.00
ABMG280	2x PCR Mastermix	5.0 ml (200 rxns)	\$135.00
ABMG280-dye	2x PCR Mastermix with dye	5.0 ml (200 rxns)	\$135.00

## Long Range DNA Polymerase

abm's Long-Range DNA polymerase is the ideal choice for generating long PCR products with extreme sensitivity and processivity. The Long-Range DNA polymerase is a newly engineered proofreading polymerase optimized for PCR amplification of genomic DNA templates up to 20 kb and lambda DNA up to 30 kb. This enzyme is able to consistently deliver accurate and reliable amplification of long templates. The enzyme's enhanced extension rate drastically reduces the overall reaction time.

With abm's Long Range DNA Polymerase, you can expect:

- ✓ High-speed PCR without compromising accuracy
- ✓ High-processivity to reduce reaction time by up to 70%
- ✓ Efficient amplification of DNA templates up to 20kb

ABMG460	DNA Polymerase	50 µl (250 U)	\$65.00
ABMG461	DNA Polymerase	200 µl (1,000 U)	\$195.00

## Bloodirect DNA Polymerase

Extraction-free DNA amplification from whole blood samples with abm's Bloodirect DNA Polymerase. With this unique enzyme, DNA can be amplified in reactions containing up to 20% (v/v) whole blood sample without a separate DNA purification step. As a result, the use of abm's Bloodirect DNA Polymerase offers an overall reduction in contamination risk, experimental run time, and cost of genetic testing.

With abm's Bloodirect DNA Polymerase, you can:

- ✓ Eliminate lengthy DNA purification steps
- ✓ Achieve direct amplification from fresh or frozen blood preserved in EDTA, citrate or heparin
- ✓ Designed for Whole blood PCR

ABMG462	DNA Polymerase	100 µl (100 U)	\$65.00
ABMG463	DNA Polymerase	400 µl (400 U)	\$210.00
ABMG465	2x PCR Mastermix	5.0 ml (200 rxns)	\$175.00

## EvaGreen 2x qPCR MasterMix Products

Guaranteed high-performance real-time qPCR using abm's EvaGreen 2x qPCR MasterMix.

abm's EvaGreen 2x qPCR MasterMix provides all ingredients necessary for quantitative PCR in a premixed and optimized format. Available with the option of ROX or fluorescein as the internal passive reference dye, abm's EvaGreen 2x qPCR MasterMix offers unparalleled performance in sensitivity, signal-to-noise ratio, and complete elimination of primer dimers.

Abm's EvaGreen 2x qPCR MasterMix is designed for:

- ✓ Gene-expression analysis
- ✓ Gene knockdown & Microarray validation
- ✓ High throughput applications
- ✓ Virus detection and quantification
- ✓ Storage at - 20° C, protected from light

With abm's EvaGreen 2x qPCR MasterMix, you can:

- ✓ Enable streamlined protocol in a simple reaction set-up
- ✓ Allow accurate quantification of a variety of gene targets
- ✓ Reduce pipetting steps to minimize the risk of contamination
- ✓ Compatible with most real-time PCR instruments

ABMMastermix-S	MasterMix with No Dye	4 x 1.25 ml (10 µl per reaction) Total Reaction Volume 20µl (500 Reactions)	\$165.00
ABMMastermix-R	MasterMix with ROX		\$165.00
ABMMastermix-LR	MasterMix with Low ROX		\$165.00
ABMMastermix-iC	MasterMix optimized for the iCycler		\$165.00

## TaqProbe 2x qPCR MasterMix Products

**Ultimate sensitivity in real-time qPCR with abm's TaqProbe 2x qPCR MasterMix.** abm's TaqProbe 2x qPCR MasterMix is designed for high throughput quantitative PCR using TaqMan® probe-based chemistry. Available with the option of ROX or fluorescein as the internal passive reference dye, abm's TaqProbe 2x qPCR MasterMix offers superb performance in sensitivity and signal-to-noise ratio. The multiplex formulation supports quantitative amplification and detection of up to four targets simultaneously with consistent and reliable results.

Abm's TaqProbe 2x qPCR MasterMix is designed for:

- ✓ Gene-expression analysis
- ✓ Gene knockdown & Microarray validation
- ✓ SNP genotyping assays
- ✓ CHiP Copy number variation
- ✓ High throughput applications
- ✓ Virus detection and quantification
- ✓ Storage at - 20° C, protected from light

With abm's TaqProbe 2x qPCR MasterMix, you can:

- ✓ Enable streamlined protocol in a simple reaction set-up
- ✓ Allow accurate quantification of a variety of gene targets
- ✓ Reduce pipetting steps to minimize the risk of contamination
- ✓ Compatible with most real-time PCR instruments

ABMMastermix-PS	MasterMix with No Dye	4 x 1.25 ml (10 µl per reaction) Total Reaction Volume 20µl (500 Reactions)	\$165.00
ABMMastermix-P	MasterMix with ROX		\$165.00
ABMMastermix-PL	MasterMix with Low ROX		\$165.00
ABMMastermix-PC	MasterMix optimized for the iCycler		\$165.00
ABMMastermix-PM	MasterMix - Multiplex		\$165.00



## EvaGreen and TaqProbe qPCR MasterMix Selection Guide

Cat. Number	Product Name	qPCR Instruments
<b>ABMMastermix-R</b>	EvaGreen 2X qPCR MasterMix-ROX	<ul style="list-style-type: none"> <li>• ABI® 7000, 7300, 7700, 7900, 7900HT, StepOnePlus™, StepOne™</li> </ul>
<b>ABMMastermix-P</b>	TaqProbe 2X qPCR MasterMix-ROX	
<b>ABMMastermix-LR</b>	EvaGreen 2X qPCR MasterMix-Low ROX	<ul style="list-style-type: none"> <li>• ABI® 7500, ABI 7500 Fast, ViiA™, QuantStudio</li> <li>• Stratagene® Mx3000, Mx3005, Mx4000</li> </ul>
<b>ABMMastermix-PL</b>	TaqProbe 2X qPCR MasterMix-Low ROX	
<b>ABMMastermix-iC</b>	EvaGreen 2X qPCR MasterMix-iCycler	<ul style="list-style-type: none"> <li>• BioRad® iCycler®, iQ™5, MyiQ™</li> </ul>
<b>ABMMastermix-PC</b>	TaqProbe 2X qPCR MasterMix-iCycler	
<b>ABMMastermix-S</b>	EvaGreen 2X qPCR MasterMix	<ul style="list-style-type: none"> <li>• BioRad® CFX96, CFX384, Chromo4™, CFX Connect™, Opticon 2, MiniOpticon™</li> <li>• Roche LightCycler® (2.0, 1.5, 480, 1536, Nano)</li> <li>• MJ Research Opticon™, Opticon™ 2, Chromo® 4</li> <li>• Eppendorf® Realplex 4</li> <li>• Corbett Rotor-gene® (3000, 6200, 62H0, 6500, 65H0, 6600)</li> <li>• Eppendorf Mastercycler® realplex (s, 4, 4s) Pro (S, 384), Nexus (gradient, eco, flat) • Qiagen Rotor-Gene™ (Q, 6000)</li> </ul>
<b>ABMMastermix-PS</b>	TaqProbe 2X qPCR MasterMix-no Dye	
<b>ABMMastermix-PM</b>	TaqProbe 2X qPCR MasterMix-Multiplex	Any qPCR instrument that supports multiplex reactions

## SafeView - Environmentally Friendly Agarose Stains

SafeView™ products represent a new and safe class of nucleic acid stains for the visualization of double-stranded DNA, single-stranded DNA, and RNA in agarose gels; a great alternative to toxic Ethidium Bromide or SYBR® Safe from other competitors. The dyes are developed to replace toxic Ethidium Bromide (EtBr, a potent mutagen), commonly used in gel electrophoresis for visualization of nucleic acids in agarose gels. Safe Green, SafeView™ classic and SafeView Plus are non-carcinogenic as indicated by the Ames-test. The results are negative in both the mouse marrow chromophilous erythrocyte micronucleus and mouse spermary spermatocyte chromosomal aberration tests.

### SafeGreen™

**Safe-Green™ represents a new and safe nucleic acid stain for the visualization of double-stranded DNA, single-stranded DNA, and RNA in agarose and polyacrylamide gels.**

- ✓ Safe Green works as a dye which is added to your sample directly, allowing your dsDNA, ssDNA and RNA to fluoresce under UV excitation and/or LED light
- ✓ Eliminates the need to add stain to your gel or buffer
- ✓ Dispose Safe-Green™ as you would any other non-carcinogenic fluorescent dye (eg. Acridine orange; Propidium iodide).

### SafeView™ Classic

**SafeView™ Classic represents a new and safe class of nucleic acid stains for the visualization of double-stranded DNA, single-stranded DNA, and RNA in agarose and polyacrylamide gels.**

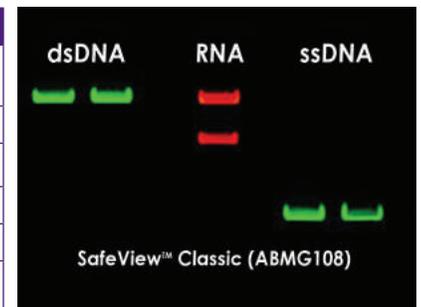
- ✓ This stain is developed to replace toxic Ethidium Bromide (EtBr, a potent mutagen)
- ✓ SafeView Classic is used in the exact same fashion as EtBr, by adding it directly to your agarose gel
- ✓ When viewed under LED light, dsDNA and ssDNA will emit a green light, while RNA will appear red
- ✓ Dispose SafeView™ Classic as you would any other non-carcinogenic fluorescent dye (eg. Acridine orange; Propidium iodide).

### SafeView™ Plus

**SafeView™ Plus represents a new and enhanced safe class of nucleic acid stain for the visualization of double-stranded DNA, single-stranded DNA, and RNA in agarose and polyacrylamide gels.**

- ✓ This stain is developed to replace toxic Ethidium Bromide (EtBr, a potent mutagen)
- ✓ SafeView Plus has higher sensitivity and enhanced performance, as compared to SafeView Classic
- ✓ SafeView Plus is used as a post stain which is added to your buffer, eliminating the need to add it to your agarose gel
- ✓ When viewed under LED light, dsDNA and ssDNA will emit a green light, while RNA will appear red
- ✓ Dispose SafeView™ Plus as you would any other non-carcinogenic fluorescent dye (eg. Acridine orange; Propidium iodide).

	SafeGreen™	SafeView™	SafeView™ Plus
<b>Staining Colour</b>	Green Only	Green for ssDNA & ds DNA Red for RNA	Green Only
<b>Excitation Wavelength</b>	290 nm	290& 490 nm	490 nm
<b>Emission Wavelength</b>	490 nm	605 nm	520 nm
<b>Sensitivity Range</b>	0.2 – 0.6 ng	0.1 – 0.3 ng	0.05 – 0.1 ng
<b>Suggested Light Source</b>	UV &/or Blue LED	UV &/or Blue LED	UV &/or Blue LED
<b>Loading Recommendations</b>	Add a 1:5 Dye to Sample ratio to the sample only	5 µl to Gel Solution & 5 µl to Buffer	1:5,000 Dye to Buffer ratio to Buffer (TE, TAE or TBE)
<b>Is Staining Solution Reusable?</b>	No	No	Yes, up to 4 times
<b>Packaging</b>	1.0 ml/pk	1.0 ml/pk	1.0 ml/pk
<b>Code</b>	<b>ABMG108-G</b>	<b>ABMG108</b>	<b>ABMG468</b>
<b>Price</b>	<b>\$38.00/pk</b>	<b>\$38.00/pk</b>	<b>\$90.00/pk.</b>



## dNTP Set

The dNTP set consists of 100mM aqueous solutions of dATP, dCTP, dGTP and dTTP each supplied in separate vials.

Since the nucleotides are provided separately, the dNTP Set offers maximum flexibility in preparation of reaction mixes for different applications.

**Applications include:** PCR, long PCR, RT-PCR, cDNA synthesis, primer extension, DNA sequencing, DNA labeling.

**Form:** dATP, dCTP, dGTP and dTTP.

ABMG050	dNTP Set	4 x 0.25 ml (100 mM each)	\$97.50
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## dNTP Mix

The dNTP Mix is a ready-to-use aqueous solution containing dATP, dCTP, dGTP and dTTP, each at a final concentration of 10mM. The Mix reduces the number of pipetting steps and the risk of errors.

Applications include: Ready to use in PCR, long-PCR, RT-PCR, cDNA synthesis, primer extension and DNA labeling.

ABMG010	dNTP Mix	250µl (10 mM each)	\$37.50
ABMG128	dNTP Mix	500µl (10 mM each)	\$52.50
ABMG129	dNTP Mix	1.0 ml (10 mM each)	\$82.50



## Ask us about Available Products



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