

Takara Bio Essentials

PCR Polymerases

HIGH PERFORMANCE | RELIABLE RESULTS

40% OFF



PrimeSTAR® GXL



- GC-rich or AT-rich templates
- Excess template
- Hot start, 2X premix option
- Up to 30kb human gDNA template

Code	Description	Size	List Price	Promo Price
R050A	PrimeSTAR® GXL DNA Polymerase	250 Units	~~\$927~~	\$557
R050B	PrimeSTAR® GXL DNA Polymerase	1,000 Units	~~\$2,920~~	\$1,752
R051A	PrimeSTAR® GXL Premix	200 Rxns	~~\$1,261~~	\$757
R051B	PrimeSTAR® GXL Premix	800 Rxns	~~\$4,442~~	\$2,666
R053A	PrimeSTAR® GXL Premix Fast	200 Rxns	~~\$1,261~~	\$757
R053B	PrimeSTAR® GXL Premix Fast	800 Rxns	~~\$4,442~~	\$2,666
R052A	PrimeSTAR® GXL Premix Fast, Dye plus	200 Rxns	~~\$1,594~~	\$957

Ex Taq®

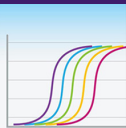
- Robust, proven all rounder
- High yield
- Up to 20kb gDNA template
- Mg2+ buffer & hot start options



RR001A	Ex Taq® DNA Polymerase	250 Units	~~\$774~~	\$465
RR001B	Ex Taq® DNA Polymerase	1,000 Units	~~\$2,808~~	\$1,685
RR01AM	Ex Taq® DNA Polymerase (Mg2+ free buffer)	250 Units	~~\$790~~	\$474
RR01BM	Ex Taq® DNA Polymerase (Mg2+ free buffer)	1,000 Units	~~\$2,808~~	\$1,685
RR006A	Ex Taq® DNA Polymerase Hot-Start Version	250 Units	~~\$933~~	\$560
RR006B	Ex Taq® DNA Polymerase Hot-Start Version	1,000 Units	~~\$3,304~~	\$1,983

Probe qPCR Premix Ex Taq®

- Optimised for Probe Detection
- High Speed, Sensitivity and Specificity
- Hot start, 2X Pre-mix
- Multiplexing Capable



RR390A	Premix Ex Taq™ (Probe qPCR) (5x1mL)	200 Rxns	~~\$1,142~~	\$685
RR390B	Premix Ex Taq™ (Probe qPCR) (10x1mL)	400 Rxns	~~\$2,268~~	\$1,361
RR390L	Premix Ex Taq™ (Probe qPCR) (1x5mL)	200 Rxns	~~\$1,155~~	\$693
RR390W	Premix Ex Taq™ (Probe qPCR) (5x5mL)	1,000 Rxns	~~\$4,645~~	\$2,787
RR39LR	Premix Ex Taq™ (Probe qPCR), ROX Plus (1x5mL)	200 Rxns	~~\$1,155~~	\$693
RR39WR	Premix Ex Taq™ (Probe qPCR), ROX Plus (5x5mL)	1,000 Rxns	~~\$4,679~~	\$2,807

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PrimseSTAR® Max and Max Ver.2

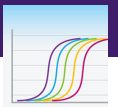
- Highest Fidelity: 420X higher than Taq polymerase
- Extension speed: 5 sec/kb | Hot start, 2X premix
- Input volumes up to 1,250 ng (Max Ver.2) or up to 200 ng (Max) of template



Code	Description	Size	List Price	Promo Price
R045A	PrimeSTAR® Max DNA Polymerase	100 Rxns	~~\$840~~	\$504
R045B	PrimeSTAR® Max DNA Polymerase	400 Rxns	~~\$2,823~~	\$1,694
R047A	PrimeSTAR® Max DNA Polymerase Ver.2	100 Rxns	~~\$808~~	\$485
R047S	PrimeSTAR® Max DNA Polymerase Ver.2	25 Rxns	~~\$247~~	\$149
R047B	PrimeSTAR® Max DNA Polymerase Ver.2	400 Rxns	~~\$2,717~~	\$1,631

qPCR TB Green® Premix Ex Taq™

- TB Green intercalating dye chemistry for qPCR
- Tli RNase H Plus provides reduced PCR inhibition
- RR82 series for specificity or GC-rich templates
- RR42 series for amplification efficiency, long products, or difficult-to-amplify templates
- Ex Taq II FAST recommended for rapid cycling qPCR thermocyclers



RR420A	TB Green® Premix Ex Taq™ (Tli RNase H Plus) 5x1mL	200 Rxns	~~\$1,435~~	\$861
RR420B	TB Green® Premix Ex Taq™ (Tli RNase H Plus) 10x1mL	400 Rxns	~~\$2,602~~	\$1,562
RR420L	TB Green® Premix Ex Taq™ (Tli RNase H Plus), 1 x 5 mL	200 Rxns	~~\$1,448~~	\$869
RR42LR	TB Green® Premix Ex Taq™ (Tli RNase H Plus), 1 x 5 mL, ROX Plus	200 Rxns	~~\$1,448~~	\$869
RR420W	TB Green® Premix Ex Taq™ (Tli RNase H Plus), 5 x 5 mL	1,000 Rxns	~~\$5,328~~	\$3,197
RR42WR	TB Green® Premix Ex Taq™ (Tli RNase H Plus), 5 x 5 mL, ROX Plus	1,000 Rxns	~~\$5,328~~	\$3,197
RR820A	TB Green® Premix Ex Taq™ II (Tli RNase H Plus) 5x1mL	200 Rxns	~~\$1,435~~	\$861
RR820B	TB Green® Premix Ex Taq™ II (Tli RNase H Plus) 10x1mL	400 Rxns	~~\$2,602~~	\$1,562
RR820L	TB Green® Premix Ex Taq™ II (Tli RNase H Plus), 1 x 5 mL	200 Rxns	~~\$1,448~~	\$869
RR82LR	TB Green® Premix Ex Taq™ II (Tli RNase H Plus), 1 x 5 mL, ROX Plus	200 Rxns	~~\$1,435~~	\$861
RR820W	TB Green® Premix Ex Taq™ II (Tli RNase H Plus), 5 x 5 mL	1,000 Rxns	~~\$5,181~~	\$3,109
RR82WR	TB Green® Premix Ex Taq™ II (Tli RNase H Plus), 5 x 5 mL, ROX Plus	1,000 Rxns	~~\$5,181~~	\$3,109
RR830A	TB Green® Premix Ex Taq™ II FAST qPCR with UNG (5x1mL)	400 Rxns	~~\$1,557~~	\$935
RR830B	TB Green® Premix Ex Taq™ II FAST qPCR with UNG (10x1mL)	800 Rxns	~~\$2,820~~	\$1,692
RR830L	TB Green® Premix Ex Taq™ II FAST qPCR, Bulk with UNG (1x5mL)	400 Rxns	~~\$1,451~~	\$871
RR830W	TB Green® Premix Ex Taq™ II FAST qPCR, Bulk with UNG (5x5mL)	2000 Rxns	~~\$6,600~~	\$3,960

PrimeSTAR® LongSeq

- Ultra-long amplification: 50 kb or more
- Superior Performance with GC/AT-Rich Regions
- Long-Range Multiplexing / Long-Read NGS
- High Fidelity & Blunt Ends



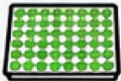
R055A	PrimeSTAR® LongSeq DNA Polymerase	200 Rxns	~~\$1,040~~	\$629
R055B	PrimeSTAR® LongSeq DNA Polymerase	800 Rxns	~~\$3,472~~	\$2,084

**Takara In-Fusion® Seamless Cloning With Any Vector, Any Insert,
 >95% Accuracy And Works The First Time!**

- ✓ No Polymerase = No sequence errors
- ✓ No Ligase = Fewer self-ligating empty vector
- ✓ No A-overhangs = Greater efficiency
- ✓ Fast = 15 minutes incubation



Single-insert cloning



High-throughput cloning



Large-insert cloning



Streamlined multi-fragment cloning



Cloning of antibody variable regions



Direct cloning into large vectors



Site-directed mutagenesis



Synthetic gene assembly



Lentiviral cloning

In-Fusion Master Mix

Code	Description	Size	List Price	Promo Price
638947	In-Fusion® Snap Assembly Master Mix	10 Rxns	~~\$587~~	\$353
638948	In-Fusion® Snap Assembly Master Mix	50 Rxns	~~\$2,340~~	\$1,404
638949	In-Fusion® Snap Assembly Master Mix	250 Rxns	~~\$9,292~~	\$5,576
638943	In-Fusion® Snap Assembly Master Mix	500 Rxns	~~\$16,379~~	\$9,828
638944	In-Fusion® Snap Assembly Master Mix	1,000 Rxns	~~\$28,755~~	\$17,253



Cloning Kits

Code	Description	Size	List Price	Promo Price
638951	In-Fusion® Snap Assembly Master Mix with Competent Cells	10 Rxns	~~\$843~~	\$506
638952	In-Fusion® Snap Assembly Master Mix with Competent Cells	50 Rxns	~~\$3,079~~	\$1,848
638945	In-Fusion® Snap Assembly Starter Bundle	10 Rxns	~~\$974~~	\$585
638946	In-Fusion® Snap Assembly Value Bundle	50 Rxns	~~\$3,609~~	\$2,166

Stellar Competent Cells

Perfect for unstable constructs

Code	Description	Size	List Price	Promo Price
636763	Stellar™ Competent Cells	20 Transformations	~~\$793~~	\$476
636766	Stellar™ Competent Cells	100 Transformations	~~\$2,739~~	\$1,644
636767	Stellar™ Competent Cells (96-well plate)	96 x 20 uL	~~\$1,891~~	\$1,135
636764	Stellar™ Competent Cells (dam-/dcm-)	10 Transformations	~~\$796~~	\$478
636765	Stellar™ Electrocompetent Cells	10 Transformations	~~\$1,024~~	\$615

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mirus bio

scientifix

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GOOD
 science!

LENTIVIRAL SYSTEMS

Takara Bio offers a comprehensive suite of Lenti-X™ Systems for lentiviral gene delivery and for every step of the lentiviral workflow – from vector design to gene expression analysis.

These systems are designed for high efficiency, high titers, and ease of use.

Lenti-X™ Packaging Systems

Code	Description	Size	List Price	Promo Price
632180	Lenti-X™ 293T Cell Line	1 mL	~~\$1,354~~	\$813

Lenti-X™ Concentrator / Purification

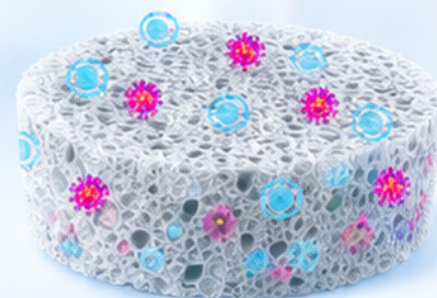
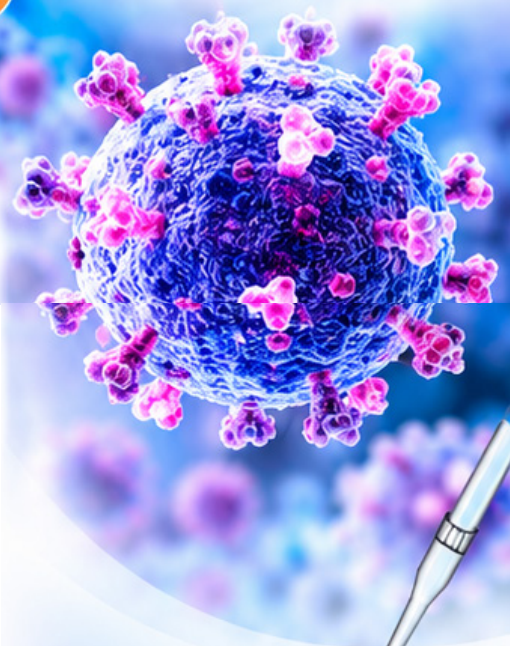
Code	Description	Size	List Price	Promo Price
631231	Lenti-X™ Concentrator	100 mL	~~\$905~~	\$543
631232	Lenti-X™ Concentrator	500 mL	~~\$3,113~~	\$1,868
631234	Lenti-X™ Maxi Purification Kit	5 Preps	~~\$2,034~~	\$1,221

Lenti-X™ Titration

Code	Description	Size	List Price	Promo Price
631280	Lenti-X™ GoStix™ Plus	20 Tests	~~\$1,847~~	\$1,109
631281	Lenti-X™ GoStix™ Plus	50 Tests	~~\$3,806~~	\$2,284
631235	Lenti-X™ qRT-PCR Titration Kit	200 Rxns	~~\$1,928~~	\$1,157
632200	Lenti-X™ p24 Rapid Titer Kit	96 Rxns	~~\$2,218~~	\$1,331
631476	Lenti-X™ p24 Rapid Titer Kit (Single Wash)	96 Rxns	~~\$2,218~~	\$1,331
631263	Lenti-X™ Integration Site Analysis Kit	Each	~~\$3,319~~	\$1,992
631239	Lenti-X™ Provirus Quantitation Kit	200 Rxns	~~\$1,972~~	\$1,184

Lenti-X™ Transduction / RetroNectin®

Code	Description	Size	List Price	Promo Price
631480	Lenti-X™ T-Cell Transduction Sponge	12 Rxns	~~\$1,947~~	\$1,169
631478	Lenti-X™ Transduction Sponge	24 Rxns	~~\$1,622~~	\$974
631254	Lenti-X™ Accelerator Starter Kit	Each	~~\$4,021~~	\$2,413
631256	Lenti-X™ Accelerator	400 uL	~~\$1,579~~	\$948
MK140	RetroNectin® EIA Kit	96 Assays	~~\$2,873~~	\$1,724
T110A	RetroNectin® Precoated Dish	10 Dishes	~~\$1,485~~	\$891
T101A	RetroNectin® Pro (Recombinant Human Fibronectin Fragment)	0.5 mg	~~\$743~~	\$446
T101B	RetroNectin® Pro (Recombinant Human Fibronectin Fragment)	2.5 mg	~~\$2,786~~	\$1,672
T100B	RetroNectin® Recombinant Human Fibronectin Fragment	2.5 mg	~~\$2,923~~	\$1,754
T100A	RetroNectin® Recombinant Human Fibronectin Fragment	0.5 mg	~~\$777~~	\$467



RetroNectin® Key Benefits



Enhanced gene transfer efficiency for retroviral or lentiviral transduction of suspension cells, hematopoietic stem cells, and other hard-to-infect cell types



Less toxicity than other commonly used transduction enhancers, including polybrene and protamine



Fully recombinant peptide



The efficiency of T cell (CD8+) expansion can be significantly increased in the presence of RetroNectin® reagent

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 **BOVOGEN**

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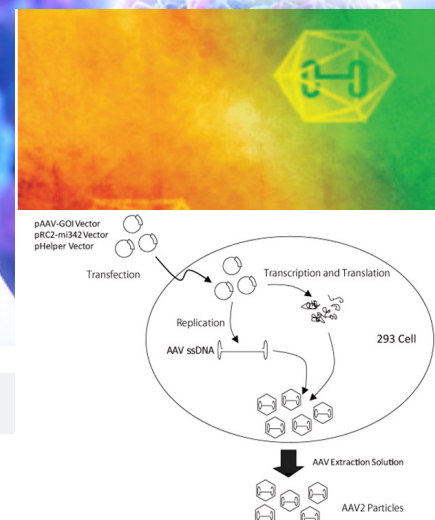
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AAV TRANSDUCTION SYSTEMS

Takara Bio offers a comprehensive suite of AAVpro™ Systems designed to support the entire workflow of adeno-associated virus (AAV) vector production, purification and transduction.

AAV is a popular choice for gene delivery due to its low immunogenicity, ability to infect both dividing and non-dividing cells, and long-term transgene expression.



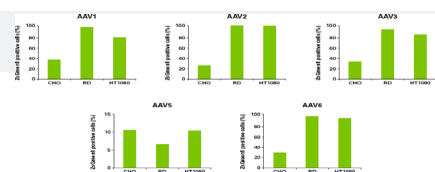
AAVpro® Packaging

Code	Description	Size	List Price	Promo Price
632273	AAVpro® 293T Cell Line	1 mL	\$1,448	\$869

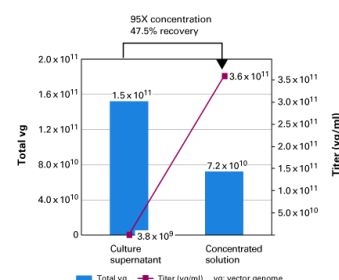
AAVpro® Purification / Concentrator

These "All Serotypes" kits utilise a simple precipitation and filtration protocol to purify AAV particles with any capsid (i.e., from any serotype).

Code	Description	Size	List Price	Promo Price
6666	AAVpro® Purification Kit Maxi (All Serotypes)	4 Preps	~~\$2,839~~	\$1,704
6675	AAVpro® Purification Kit Midi (All Serotypes)	4 Preps	~~\$1,217~~	\$731
6678	AAVpro® Purification Pack Maxi (All Serotypes)	4 Preps	~~\$1,769~~	\$1,062
6677	AAVpro® Cell & Sup. Extraction/Concentration Pack Maxi (All Serotypes)	1 Kit	~~\$1,566~~	\$940
6676	AAVpro® Cell & Sup. Purification Kit Maxi (All Serotypes)	4 Preps	~~\$3,344~~	\$2,007
6674	AAVpro® Concentrator	1 Kit	~~\$1,601~~	\$961
6235	AAVpro® Extraction Solution	1 Set	~~\$615~~	\$369



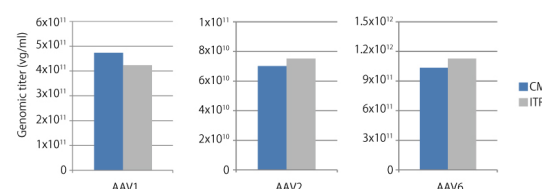
Infection capacity of AAV particles purified with the AAVpro Purification Kit Maxi (All Serotypes)



Concentration and recovery rate of AAV1 vectors concentrated using AAVpro Concentrator

AAVpro® Titration Kits

Code	Description	Size	List Price	Promo Price
631485	AAV2 Rapid Titer ELISA Kit (Single Wash)	96 Rxns	~~\$2,246~~	\$1,348
631486	AAV8 Rapid Titer ELISA Kit (Single Wash)	96 Rxns	~~\$2,246~~	\$1,348
631487	AAV9 Rapid Titer ELISA Kit (Single Wash)	96 Rxns	~~\$2,246~~	\$1,348
6233	AAVpro® Titration Kit (for Real Time PCR) Ver.2	100 Rxns	~~\$2,000~~	\$1,200



Titer measurement of AAV by real-time PCR using ITR and CMV promoter targets

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