

# Takara Bio for IRD - SITE LA VALETTE

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## About Takara Bio

As a group of companies with a mission to improve quality of life through biotechnology, Takara Bio Inc. (based in Kusatsu Japan) provides kits, reagents, instruments and services across a variety of applications. The highest level of quality of its products and services is acknowledged by the scientific community worldwide. As a subsidiary of the Takara Bio Group, Takara Bio Europe has been supporting European researchers with high performance, best-in-class products and expert technical support. Take advantage of our deep enzymology expertise and delve into every scientific inquiry, leaving no opportunity unanswered.



	Name	Applications	Features	Catalogue #	Unit	Catalogue price	Discount	Discount price	Final reactional volume	Final reactional volume	Recommended final reactional volume
									Price per 20uL reaction	Price per 25uL reaction	Price per 50uL reaction
<b>PCR</b>											
<b>High Yield PCR</b>	Titanium Taq DNA polymerase	Mammalian Genotyping / Multiplexing	Sensitive and robust	639208	100 rxns	229,00 €	12%	201,52 €	0,81 €	1,01 €	2,02 €
				639209	500 rxns	965,00 €	12%	849,20 €	0,68 €	0,85 €	1,70 €
				639242	1000 rxns	1 672,00 €	12%	1 471,36 €	0,59 €	0,74 €	1,47 €
	Advantage 2 Polymerase Mix	cDNA Library construction and RACE PCR	Long PCR and enhanced fidelity	639201	100 rxns	429,00 €	12%	377,52 €	1,51 €	1,89 €	3,78 €
				639202	5x100 rxns	1 793,00 €	12%	1 577,84 €	1,26 €	1,58 €	3,16 €
	Terra PCR Direct Polymerase Mix	Direct PCR	Genotyping without DNA purification	639270	200 rxns	205,00 €	22%	159,90 €	0,32 €	0,40 €	0,80 €
				639271	800 rxns	698,00 €	22%	544,44 €	0,27 €	0,34 €	0,68 €
	Takara Ex Taq DNA Polymerase	Low copy number and/or dirty samples	Higher yield and long range	RR001A	250 U	142,00 €	12%	124,96 €	0,20 €	0,25 €	0,50 €
				RR001B	4x250 U	527,00 €	12%	463,76 €	0,19 €	0,23 €	0,46 €
				RR001C	12x250 U	1 492,00 €	12%	1 312,96 €	0,18 €	0,22 €	0,44 €
	TaKaRa Ex Premier Dye Plus	Routine to difficult PCR, crude samples amplification	For GC and AT rich sequences, inhibitors tolerant, high-fidelity, high yield	RR371A	200 rxns	213,00 €	12%	187,44 €	0,37 €	0,47 €	0,94 €
	TaKaRa Ex Premier Dye Plus	Routine to difficult PCR, crude samples amplification	For GC and AT rich sequences, inhibitors tolerant, high-fidelity, high yield	RR371B	800 rxns	772,00 €	12%	679,36 €	0,34 €	0,42 €	0,85 €
	TaKaRa Ex Premier	Routine to difficult PCR, crude samples amplification	For GC and AT rich sequences, inhibitors tolerant, high-fidelity, high yield, ready to load into agarose gel	RR370A	200 rxns	213,00 €	12%	187,44 €	0,37 €	0,47 €	0,94 €
TaKaRa Ex Premier	Routine to difficult PCR, crude samples amplification	For GC and AT rich sequences, inhibitors tolerant, high-fidelity, high yield, ready to load into agarose gel	RR370B	800 rxns	772,00 €	12%	679,36 €	0,34 €	0,42 €	0,85 €	
PrimeSTAR GXL Fast Dye Plus	Sequencing (Sanger and NGS), Cloning, difficult PCR, long DNA targets amplification	For GC and AT rich sequences, long range amplification, inhibitors tolerant, high-fidelity, fast elongation ready to load into agarose gel	R052A	200 rxns	349,00 €	22%	272,22 €	0,54 €	0,68 €	1,36 €	
PrimeSTAR GXL Premix	Sequencing (Sanger and NGS), Cloning, difficult PCR, long DNA targets amplification	For GC and AT rich sequences, long range amplification, inhibitors tolerant, high-fidelity	R051A	200 rxns	292,00 €	22%	227,76 €	0,46 €	0,57 €	1,14 €	
<b>Multiplex PCR</b>	SuperPlex Premix	Pathogen detection & identification / High- throughput SNP genotyping/ Mutation analysis / Gene deletion analysis / Template quantification	High-yield enzyme requires fewer PCR cycles and generates low background signal	638543	200 rxns	435,00 €	22%	339,30 €	0,68 €	0,85 €	1,70 €
				638544	1000 rxns	1 851,00 €	22%	1 443,78 €	0,58 €	0,72 €	1,44 €
<b>Long-range PCR</b>	Takara LA Taq DNA Polymerase	Long PCR / Sequencing / cloning	Maximum length	RR002M	250 U	321,00 €	12%	282,48 €	0,45 €	0,56 €	1,13 €
				RR002A	125 U	164,00 €	5%	155,80 €	0,50 €	0,62 €	1,25 €
				RR002B	4x250 U	1 226,00 €	12%	1 078,88 €	0,43 €	0,54 €	1,08 €
				RR002C	12x250 U	3 446,00 €	12%	3 032,48 €	0,40 €	0,51 €	1,01 €
	PrimeSTAR GXL DNA Polymerase	Long PCR / Sequencing / cloning / G-C rich	Excellent all-around performance on a variety of templates, high fidelity	R050A	250 U	265,00 €	22%	206,70 €	0,33 €	0,41 €	0,83 €
				R050B	4x250 U	952,00 €	22%	742,56 €	0,30 €	0,37 €	0,74 €
<b>High Speed PCR</b>	PrimeSTAR Max DNA Polymerase	Sequencing / Cloning	Fast, convenient and highest fidelity	R045A	100 rxns	213,00 €	12%	187,44 €	0,75 €	0,94 €	1,87 €
				R045B	4x100 rxns	769,00 €	12%	676,72 €	0,68 €	0,85 €	1,69 €
	SapphireAmp Fast PCR Master Mix	Colony PCR	Fast routine PCR, dye included in mastermix	RR350A	160 rxns	141,00 €	12%	124,08 €	0,31 €	0,39 €	0,78 €
				RR350B	5x160 rxns	657,00 €	12%	578,16 €	0,29 €	0,36 €	0,72 €



									Final reactional volume	Final reactional volume	Recommended final reactional volume
	Name	Applications	Features	Catalogue #	Unit	Catalogue price	Discount	Discount price	Price per 20uL reaction	Price per 25uL reaction	Price per 50uL reaction
Routine PCR	Takara Taq DNA Polymerase	General applications / Multiplexing	<ul style="list-style-type: none"> <li>Routine use</li> </ul>	R001A	250 U	199,00 €	12%	175,12 €	0,28 €	0,35 €	0,70 €
				R001B	4x250 U	714,00 €	12%	628,32 €	0,25 €	0,31 €	0,63 €
				R001C	12x250 U	1 984,00 €	12%	1 745,92 €	0,23 €	0,29 €	0,58 €
	EmeralAmp GT PCR Master Mix	Genotyping	<ul style="list-style-type: none"> <li>Value choice, dye included in mastermix</li> </ul>	RR310A	160 rxns	100,00 €	22%	78,00 €	0,20 €	0,24 €	0,49 €
				RR310B	5x160 rxns	354,00 €	22%	276,12 €	0,14 €	0,17 €	0,35 €
	EmeralAmp MAX PCR Master Mix EmeralAmp MAX HS PCR Master Mix	High yield genotyping	<ul style="list-style-type: none"> <li>Streamlined workflow, dye included in mastermix</li> </ul>	RR320A	160 rxns	117,00 €	22%	91,26 €	0,23 €	0,29 €	0,57 €
				RR320B	5x160 rxns	419,00 €	22%	326,82 €	0,16 €	0,20 €	0,41 €
				RR330A	160 rxns	138,00 €	22%	107,64 €	0,27 €	0,34 €	0,67 €
				RR330B	5x160 rxns	486,00 €	22%	379,08 €	0,19 €	0,24 €	0,47 €

Name	Applications	Features	Kit-specific features	References	Unit	Catalogue price	Discount	Discount price
<b>PCR related products</b>								
PCR related products	<ul style="list-style-type: none"> <li>DNA-OFF</li> </ul>	<ul style="list-style-type: none"> <li>DNA contamination elimination</li> </ul>	<ul style="list-style-type: none"> <li>Stable &amp; heat resistant ready to use cleansing solution for any surface</li> </ul>	9036	500 ml	165,00 €	12%	145,20 €
	<ul style="list-style-type: none"> <li>RNase-OFF</li> </ul>	<ul style="list-style-type: none"> <li>RNase contamination elimination</li> </ul>	<ul style="list-style-type: none"> <li>Stable &amp; heat resistant ready to use cleansing solution for any surface including inside microcentrifuge tubes</li> </ul>	9037	500 ml	165,00 €	12%	145,20 €
DNA Labelling	<ul style="list-style-type: none"> <li>Random Primer DNA Labeling Kit Ver.2</li> </ul>	<ul style="list-style-type: none"> <li>Production of DNA probes or DNA Labelling</li> </ul>	<ul style="list-style-type: none"> <li>Higher labeling efficiency &amp; longer probes production - High specific activity for Hybridization - Fast: 2 to 3 min from- small amount of DNA as 10 ng of Starting material</li> </ul>	6045	30rxns	241,00 €	12%	212,08 €
<b>"Stand-alone" enzymes</b>								
PrimeSTAR GXL DNA Polymerase	<ul style="list-style-type: none"> <li>Cloning</li> <li>Long PCR</li> <li>Sequencing</li> </ul>	<ul style="list-style-type: none"> <li>Robust, high-fidelity PCR in all conditions</li> <li>Excels with long templates</li> <li>GC- or AT-rich targets</li> <li>Templates with repeats</li> <li>High fidelity</li> </ul>		R050A	250 U	265,00 €	22%	206,70 €
				R050B	4x250 U	952,00 €	22%	742,56 €
SapphireAmp Fast PCR Master Mix T4 DNA Ligase	<ul style="list-style-type: none"> <li>Colony PCR</li> </ul>	<ul style="list-style-type: none"> <li>Analyse without purification</li> <li>Restriction digest</li> <li>Gel electrophoresis</li> <li>Colony PCR in ~1 hour</li> <li>Master mix includes dye</li> </ul>		RR350A	160 rxns	141,00 €	12%	124,08 €
				RR350B	5x160 rxns	657,00 €	12%	578,16 €
T4 DNA Ligase		<ul style="list-style-type: none"> <li>Blunt and cohesive end DNA ligation</li> <li>Blunt end linker addition</li> <li>Single-strand DNA, RNA and DNA/ RNA repair</li> <li>DNA fragment insertion into vectors</li> </ul>		2011A	25000 U	72,00 €	22%	56,16 €
				2011B	5x 2500 U	312,00 €	22%	243,36 €



	Name	Applications	Features	Catalogue #	Unit	Catalogue price	Discount	Discount price	Final reactional volume	Recommended final reactional volume
									Price per 20uL reaction	Price per 25uL reaction
<b>One-step RT-qPCR</b>										
x Probe	PrimeDirect Probe RT- qPCR Mix	<ul style="list-style-type: none"> <li>Gene expression</li> <li>Pathogen detection (viruses and bacteria)</li> <li>Direct RT-qPCR with no intervening purification steps</li> </ul>	<ul style="list-style-type: none"> <li>2X Master Mix-One-step RT-qPCR premix for ease of use</li> <li>Strong thermostability High tolerance for PCR inhibitors (e.g., heparin from blood and humic acid from soil)</li> <li>Compatible with direct addition of crude extracted RNA or samples to reaction mix</li> <li>Suitable for all probe-based assays</li> </ul>	RR650A	200 rxns	376,00 €	22%	293,28 €	0,59 €	0,73 €
				RR650B	1000 rxns	1 777,00 €	22%	1 386,06 €	0,55 €	0,69 €
	RR651A			200 rxns	404,00 €	22%	315,12 €	0,63 €	0,79 €	
	RR651B			1000 rxns	1 918,00 €	22%	1 496,04 €	0,60 €	0,75 €	
	One Step PrimeScript III RT-qPCR Mix	<ul style="list-style-type: none"> <li>Gene expression</li> <li>Pathogen detection (viruses)</li> <li>Multiplex real-time PCR</li> </ul>	<ul style="list-style-type: none"> <li>2X Master Mix</li> <li>Fast, easy one-step RT-qPCR in a single tube using probe-based detection</li> <li>Efficient, specific cDNA synthesis and amplification, even from complex RNA templates</li> <li>Suitable for a wide variety of samples from different sources, including crude RNA extract</li> </ul>	RR600A	200 rxns	364,00 €	22%	283,92 €	0,57 €	0,71 €
				RR600B	1000 rxns	1 722,00 €	22%	1 343,16 €	0,54 €	0,67 €
	One Step PrimeScript III RT-qPCR Mix, with UNG			RR601A	200 rxns	391,00 €	22%	304,98 €	0,61 €	0,76 €
				RR601B	1000 rxns	1 854,00 €	22%	1 446,12 €	0,58 €	0,72 €

Name	Applications	Features	Kit-specific features	References	Unit	Catalogue price	Discount	Discount price
<b>Complete kits</b>								
In-Fusion® HD EcoDry Cloning Plus	<ul style="list-style-type: none"> <li>• PCR cloning</li> <li>• High-throughput cloning</li> <li>• Multiple-fragment cloning</li> <li>• Gene synthesis-Gene design</li> <li>• Mutagenesis</li> <li>• Domain swapping</li> <li>• Domain modification</li> </ul>	<p>Accurate, seamless DNA cloning without ligation</p> <ul style="list-style-type: none"> <li>• Directional</li> <li>• Rapid cloning in 15-30 min</li> <li>• Clone inserts up to 15kb in size with &gt;95% cloning efficiency (only need to screen 1-2 clones per construct!)</li> <li>• Free online software to design primers</li> <li>• One system for multiple applications:                             <ul style="list-style-type: none"> <li>- Single insert cloning</li> <li>- Multiple fragment cloning in one-step without any sub-cloning</li> <li>- Site-directed mutagenesis in one-step</li> </ul> </li> </ul>	<p>Lyophilized mastermix, includes:</p> <ul style="list-style-type: none"> <li>• In-Fusion Snap Assembly Mastermix 5X / pUC19 Control Vector, linearized / 2 kb Control Insert</li> </ul>	638947	10 rxns	176,00 €	15%	149,60 €
				638948	50 rxns	695,00 €	15%	590,75 €
				638949	250 rxns	2 707,00 €	15%	2 300,95 €
				638943	500 rxns	4 872,00 €	15%	4 141,20 €
				638944	1000 rxns	8 877,00 €	15%	7 545,45 €
In-Fusion Snap Assembly Master Mix						<p>Liquid system bundle, includes:</p> <ul style="list-style-type: none"> <li>• In-Fusion Snap Assembly Mastermix 5X / pUC19 Control Vector, linearized / 2 kb Control Insert</li> <li>• Stellar Competent Cells (<i>E.coli</i> bacteria strain)</li> </ul>	638951	10 Rxns
In-Fusion Snap Assembly Master Mix with Competent Cells				638945	10 Rxns	328,00 €	10%	295,20 €
In-Fusion Snap Assembly Starter Bundle			<p>Liquid system bundle, includes:</p> <ul style="list-style-type: none"> <li>• In-Fusion Snap Assembly Mastermix 5X / pUC19 Control Vector, linearized / 2 kb Control Insert</li> <li>• PrimeSTAR Max DNA Polymerase</li> <li>• Stellar Competent Cells (<i>E.coli</i> bacteria strain)</li> <li>• NucleoSpin Gel and PCR Clean-Up kit (Macherey Nagel)</li> </ul>	638946	50 Rxns	1 283,00 €	5%	1 218,85 €
In-Fusion Snap Assembly Value Bundle								
<b>Transfection</b>								
Xfect™ Transfection Reagent	<ul style="list-style-type: none"> <li>• Broad range of cells transfection</li> <li>• Transient &amp; stable Mammalian cell transfection</li> </ul>	<ul style="list-style-type: none"> <li>• High efficiency transfection even in presence of serum, low toxicity, biodegradable transfection polymer</li> </ul>		631317	100 rxns	309,00 €	20%	247,20 €
Xfect™ Transfection Reagent		<ul style="list-style-type: none"> <li>• High efficiency transfection even in presence of serum, low toxicity, biodegradable transfection polymer</li> </ul>		631318	300 rxns	605,00 €	20%	484,00 €
CalPhos Mamalian transfection kit		<ul style="list-style-type: none"> <li>• Calcium Phosphate based for mammalian tissue culture cells</li> </ul>		631312	700 rxns	386,00 €	20%	308,80 €
Xfect RNA Transfection Reagen	<ul style="list-style-type: none"> <li>• RNA delivery of sgRNA/Cas9</li> </ul>	<ul style="list-style-type: none"> <li>• Transfection of Cas9 mRNA and/or sgRNA</li> <li>• Transfection with Cas9 mRNA prevents genomic integration and persistent expression of Cas9, reducing off-target effects</li> <li>• Transfection of mRNA results in faster expression of your protein</li> <li>• High transfection efficiency and very low cytotoxicity in cell lines and primary cells</li> <li>• Simple, serum-compatible protocol</li> </ul>		631450	1,2 mL	347,00 €	12%	305,36 €

Name	Applications	Features	References	Unit	Catalogue price	Discount	Discount price	
<b>DNA-RNA Molecular weight markers</b>								
20 bp DNA Ladder (Dye Plus)	<ul style="list-style-type: none"> <li>Direct loading of DNA Marker on Agarose gel</li> </ul>	<ul style="list-style-type: none"> <li>10 doubled-stranded DNA fragments from 20bp to 200bp + 300,400,500 bp. 100,200 &amp; 500bp brighter. Premixed with loading dyes and Glycerol</li> </ul>	3420A	500 µl	170,00 €	22%	132,60 €	
20 bp DNA Ladder (Dye Plus) [2x 3420A]			3420B	2x 500 µl	315,00 €	22%	245,70 €	
50 bp DNA Ladder (Dye Plus)		<ul style="list-style-type: none"> <li>10 doubled-stranded DNA fragments from 50bp to 500bp + 600,700,800,900, 1000,1500 bp. 300 &amp; 600bp brighter. Premixed with loading dyes and Glycerol</li> </ul>	3421A	500 µl	170,00 €	22%	132,60 €	
50 bp DNA Ladder (Dye Plus) [2x 3421A]			3421B	2x 500 µl	305,00 €	22%	237,90 €	
100 bp DNA Ladder (Dye Plus)		<ul style="list-style-type: none"> <li>10 doubled-stranded DNA fragments from 100bp to 1Kb +1.5 Kb brighter. Premixed with loading dyes and Glycerol</li> </ul>	3422A	500 µl	170,00 €	22%	132,60 €	
100 bp DNA Ladder (Dye Plus) [2x 3422A]			3422B	2x 500 µl	305,00 €	22%	237,90 €	
200 bp DNA Ladder (Dye Plus)		<ul style="list-style-type: none"> <li>10 doubled-stranded DNA fragments (200,400,600,800,1000,1200,1400,1600,1800,2000 bp) . 1 Kb and 2 Kb brighter. Premixed with loading dyes and Glycerol</li> </ul>	3423A	500 µl	170,00 €	22%	132,60 €	
200 bp DNA Ladder (Dye Plus) [2x 3423A]			3423B	2x 500 µl	305,00 €	22%	237,90 €	
250 bp DNA Ladder (Dye Plus)		<ul style="list-style-type: none"> <li>8 doubled-stranded DNA fragments ( 250,500,750,1000,1500, 2250,300, 4500 bp) . 1000 bp brighter. Premixed with loading dyes and Glycerol</li> </ul>	3424A	500 µl	153,00 €	22%	119,34 €	
250 bp DNA Ladder (Dye Plus) [2x 3424A]			3424B	2x 500 µl	271,00 €	22%	211,38 €	
500 bp DNA Ladder (Dye Plus)		<ul style="list-style-type: none"> <li>10 doubled-stranded DNA fragments (500 bp,1Kb, 1.5 Kb, 2 Kb, 2.5Kb, 3Kb, 3.5 Kb,4 Kb,4.5Kb ,5 Kb) . 2 Kb brighter. Premixed with loading dyes and Glycerol</li> </ul>	3425A	500 µl	153,00 €	22%	119,34 €	
500 bp DNA Ladder (Dye Plus) [2x 3425A]			3425B	2x 500 µl	271,00 €	22%	211,38 €	
1 kb DNA Ladder (Dye Plus)		<ul style="list-style-type: none"> <li>Direct loading of DNA Marker on Agarose gel</li> </ul>	<ul style="list-style-type: none"> <li>10 doubled-stranded DNA fragments 1,2,3,4,5,6,7,8,9,10 Kb) . 5 Kb brighter. Premixed with loading dyes and Glycerol</li> </ul>	3426A	500 µl	153,00 €	22%	119,34 €
1 kb DNA Ladder (Dye Plus) [2x 3426A]				3426B	2x 500 µl	271,00 €	22%	211,38 €
Wide Range DNA Ladder (50-10,000 bp)			<ul style="list-style-type: none"> <li>16 DNA fragments from from 50 bp to 10Kb with several brighter bands</li> </ul>	3415A	0.8 ml	171,00 €	22%	133,38 €
Wide-Range DNA Ladder (100-2,000 bp)			<ul style="list-style-type: none"> <li>6 doubled-stranded DNA fragments (100,250,500,750,1000,2000) . 750 bp brighter. Premixed with loading dyes and Glycerol</li> </ul>	3427A	500 µl	170,00 €	22%	132,60 €
Wide-Range DNA Ladder (100-2,000 bp)	3427B			2x 500 µl	315,00 €	22%	245,70 €	
Wide-Range DNA Ladder (100-5,000 bp)	<ul style="list-style-type: none"> <li>9 doubled-stranded DNA fragments (100,250,500,750,1000,2000,3000, 5000) 1000Bp brighter. Premixed with loading dyes and Glycerol</li> </ul>		3428A	500 µl	170,00 €	22%	132,60 €	
Wide-Range DNA Ladder (100-5,000 bp)			3428B	2x 500 µl	315,00 €	22%	245,70 €	
14-30 ssRNA Ladder Marker	<ul style="list-style-type: none"> <li>Agarose gel electrophoresis</li> <li>Molecular weight determination</li> </ul>		<ul style="list-style-type: none"> <li>5 x ssRNA Fragments: 30-26-22-18-14- content Orange G dye</li> </ul>	3416	62.5 µl	459,00 €	22%	358,02 €





# Contact us

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