

Roche CustomBiotech Product Catalog Raw Materials for Molecular Diagnostics



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Roche CustomBiotech - We supply your next step

As partner and supplier for healthcare companies and manufacturers, we streamline your operations, power your growth, and help you to deliver better healthcare products.

Roche CustomBiotech has been a leader in supplying innovative, high-quality products to forward-thinking biopharma and diagnostics businesses for more than 50 years. As part of Roche, we work with pioneering biopharma and diagnostic experts at one of Europe’s largest and most productive biotechnology centers.

This is where Roche continually creates a wide range of drugs and diagnostics, including critical raw materials, components, quality control kits, and in-process analyzers.

Reliable access to these materials supports our customers in developing and manufacturing valuable new products and services, such as state-of-the-art mRNA-based vaccines or molecular point of care (POC) kits.

Regulatory disclaimers are listed on the respective product page on custombiotech.roche.com



Premium Raw Materials - the Foundation of Modern Molecular Diagnostics Assays



Fast and reliable

Design fast, simplified, robust protocols with inhibitor-tolerant, dry-down compatible, high-performance reagents.



For real samples

Create solutions around real samples, from difficult targets to complex & crude matrices.



Compliant from within

Build quality & compliance into your assay. Use reagents manufactured under **ISO 13485:2016 certification**.

Our broad portfolio is an optimal source of raw materials for your diagnostic assay, from nucleic acid isolation and purification, to enzymes and nucleotides for amplification.

All components are produced in accordance with **ISO 13485 quality standards**.

Furthermore, our state-of-the-art manufacturing facilities and operating procedures ensure a continuous and worldwide supply at various scales, as well as exceptional lot-to-lot consistency.

This translates to a smooth integration of raw materials into your workflows at any stage, from development to large-scale manufacturing.

Discover products for your molecular assay development and production from your MDx raw materials partner



DNA amplification enzymes

- DNA polymerases
- Master mixes

RNA detection enzymes

- Reverse transcriptases
- Master mixes

Nucleotides

- Nucleotides
- NucleoMixes

Additional reagents

- Sample preparation
- Labeling & detection
- Buffer components

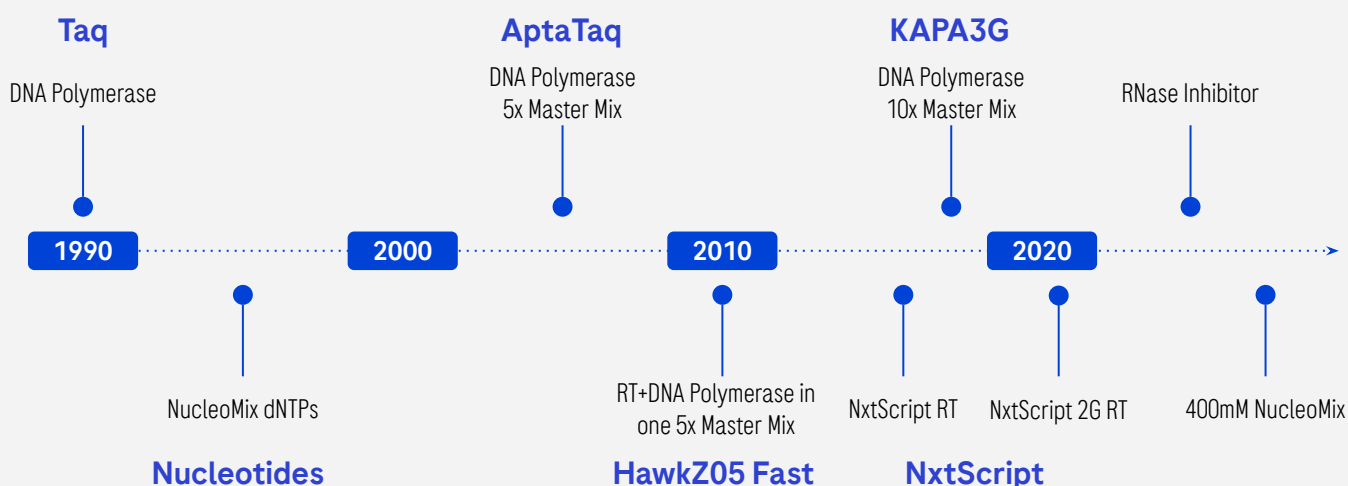
Lyo-Ready Reagents: Glycerol-Free & High Concentration Reagents for POC Assays

CustomBiotech is your partner for molecular point-of-care:

fostering innovation in the industry by continuously launching new glycerol-free and high concentration reagents

Roche CustomBiotech lyo-ready reagents are a unique portfolio of high-performance enzymes that streamline the development and production of assays intended for molecular POC diagnostics.

The highly concentrated and glycerol-free PCR reagents can be dried down directly. As a result, they can be employed in a wide range of assay formats, allowing more flexibility for development and cost saving during commercialization.



Discover more about lyo-ready raw materials

DNA Amplification Enzymes

DNA Polymerases, Hot Start

AptaTaq DNA Polymerases

Catalog No.	Product Name	Additional Product Information	Pack Size
05457882103	AptaTaq DNA Polymerase, 5 U/μl	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , solution	custom fill
05187605103	AptaTaq DNA Polymerase, 50 U/μl	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , glycerol-free solution	custom fill
05447895103	AptaTaq DNA Polymerase LDx, 50 U/μl	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , glycerol-free solution	custom fill
05458030103	AptaTaq exo DNA Polymerase, 5 U/μl	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , solution	custom fill
05364086103	AptaTaq exo DNA Polymerase, 50 U/μl	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , glycerol-free solution	custom fill
07708963103	AptaTaq Fast PCR Buffer	5x concentrated	custom fill

FastStart Taq DNA Polymerases

Catalog No.	Product Name	Additional Product Information	Pack Size
04659163103	FastStart Taq DNA Polymerase, GMP Grade, 5 U/μl	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , solution	5 kU
12161508103	FastStart Taq DNA Polymerase, 5 U/μl	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , solution	custom fill
04433785103	FastStart Taq DNA Polymerase, 100 U/μl	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , solution	custom fill
12161516103	FastStart PCR Buffer	10x conc., with 20 mM MgCl ₂	custom fill
05917166103	FastStart PCR Buffer	10x conc., without MgCl ₂	1 mL
12161494103	FastStart PCR Buffer		custom fill

Kapa DNA Polymerases

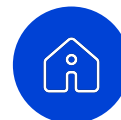
Catalog No.	Product Name	Additional Product Information	Pack Size
08918651103	KAPA3G HotStart DNA Polymerase, Glycerol-free, 30 U/μL	from <i>Thermus aquaticus</i> , expressed in <i>E. coli</i>	custom fill, 30 U/μL
09160914103	KAPA3G PCR Buffer	10x concentrated	custom fill

Lyo-ready/high conc. enzymes and reagents



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DNA Amplification Enzymes

DNA Polymerases

Expand High Fidelity Polymerases

Catalog No.	Product Name	Additional Product Information	Pack Size
03310256103	Expand High Fidelity PCR System	Polymerase and buffer system for the generation of DNA fragments ranging from 3 kb to 27 kb	custom fill
05917131103	Expand High Fidelity PCR Buffer	10x conc., with MgCl ₂	1 mL

Taq DNA Polymerases

Catalog No.	Product Name	Additional Product Information	Pack Size
11147633103	Taq DNA Polymerase. 5 U/μl	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , solution	custom fill
04827007103	Taq DNA Polymerase. 50 U/μl ◇	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , glycerol-free solution	custom fill
03161455103	Taq DNA Polymerase. GMP Grade. 5 U/μl	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , solution	50 kU

DNA Master Mixes

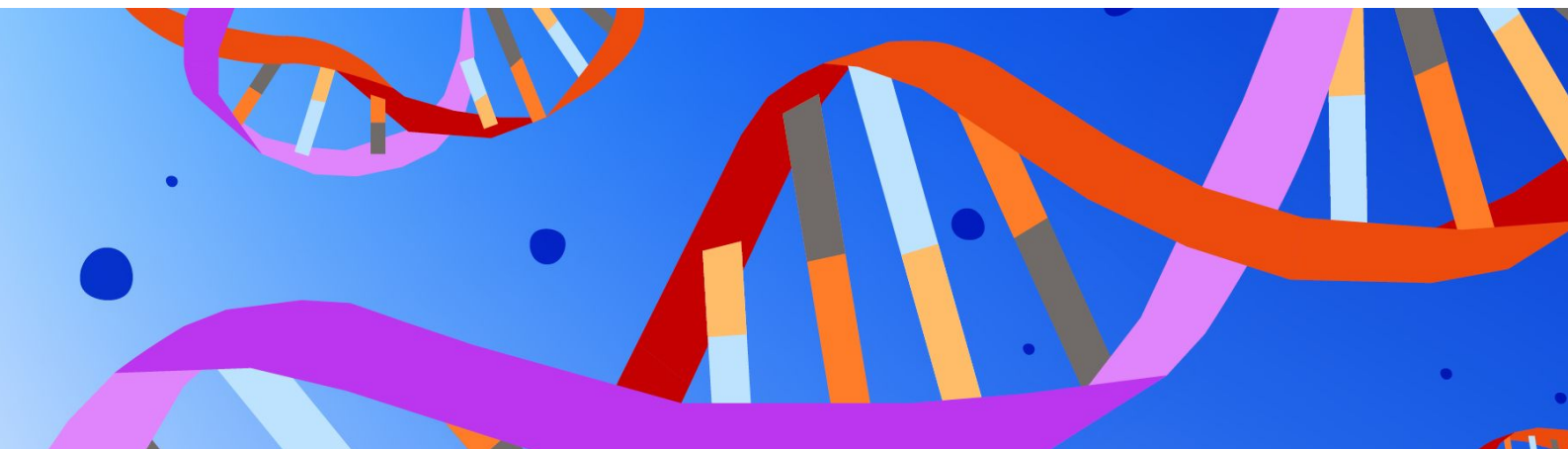
Catalog No.	Product Name	Additional Product Information	Pack Size
06362281001	ActiTag exo Genotyping Master	5x concentrated	50 mL
05890152103	AptaTag Genotyping Master ◇	5x concentrated	custom fill
05955807103	AptaTag Genotyping Master	5x concentrated	10 mL
08041237001	KAPA Probe Force	2x concentrated	10 mL
08041229001	KAPA Probe Force	2x concentrated	50 mL
08041113001	KAPA2G Robust HotStart ReadyMix	2x concentrated	12.5 mL
09084711103	KAPA3G HotStart Master ◇	10x concentrated	custom fill
07368143103	NxtScript DNA Master	5x concentrated	5 mL

◇ Lyo-ready/high conc. enzymes and reagents




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RNA Detection Enzymes


DNA Polymerase for One-Step RT-PCR

Catalog No.	Product Name	Additional Product Information	Pack Size
07731329103	HawkZ05 Fast DNA Polymerase, 200 U/μl 	mutant from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , glycerol-free solution	custom fill

Reverse Transcriptases

Catalog No.	Product Name	Additional Product Information	Pack Size
04707486103	M-MLV Reverse Transcriptase, GMP Grade	from Moloney Murine Leukemia Virus, expressed in <i>E. coli</i>	200 kU
07051166103	NxtScript Reverse Transcriptase, concentrate	mutant from Moloney Murine Leukemia Virus, expressed in <i>E. coli</i>	custom fill
07371527103	NxtScript Reverse Transcriptase, 85 U/μl	mutant from Moloney Murine Leukemia Virus, expressed in <i>E. coli</i>	80 μL
09085220103	NxtScript 2G RT, conc. 	thermostable reverse transcriptase, 500 U/μL, glycerol-free solution	custom fill
09917225001	NxtScript Reverse Transcriptase, high conc., 1MU 	mutant from Moloney Murine Leukemia Virus, expressed in <i>E. coli</i>	200 μL

Reverse Transcriptase Master Mixes

Catalog No.	Product Name	Additional Product Information	Pack Size
05987687190	HawkZ05 Fast One-Step RT-PCR Master (Rox)	2.3x concentrated	1 kit
06402305190	HawkZ05 Fast One-Step RT-PCR Master 	5x concentrated, 0.5% glycerol content, w/o ROX 50 mL	1 kit
06402283190	Master	5x concentrated, 0.5% glycerol content, w/o ROX 5 mL	1 kit
07873468001	EvoScript RNA Master	5x concentrated	5 mL

 Lyo-ready/high conc. enzymes and reagents



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Nucleotides

Deoxynucleotides

Catalog No.	Product Name	Additional Product Information	Pack Size
10987891103	7-Deaza-2'-dGTP	lithium salt, 10 mM	100 mL
04631056103	dATP, PCR Grade	sodium salt, 100 mM	20 mL, 2,000 µmol
11889516103			100 mL, 10,000 µmol
04631072103	dCTP, PCR Grade	sodium salt, 100 mM	20 mL, 2,000 µmol
11889508103			100 mL, 10,000 µmol
04631129103	dGTP, PCR Grade	sodium salt, 100 mM	20 mL, 2,000 µmol
11889524103			100 mL, 10,000 µmol
12158124103	dTTP, PCR Grade	sodium salt, 100 mM	100 mL
04631137103	dTTP, PCR Grade	sodium salt, 100 mM	20 mL, 2,000 µmol
11889559103			100 mL, 10,000 µmol
04631145103	dUTP, PCR Grade	sodium salt, 100 mM	20 mL, 2,000 µmol
11889532103			100 mL, 10,000 µmol

Deoxyribonucleotide Mixes

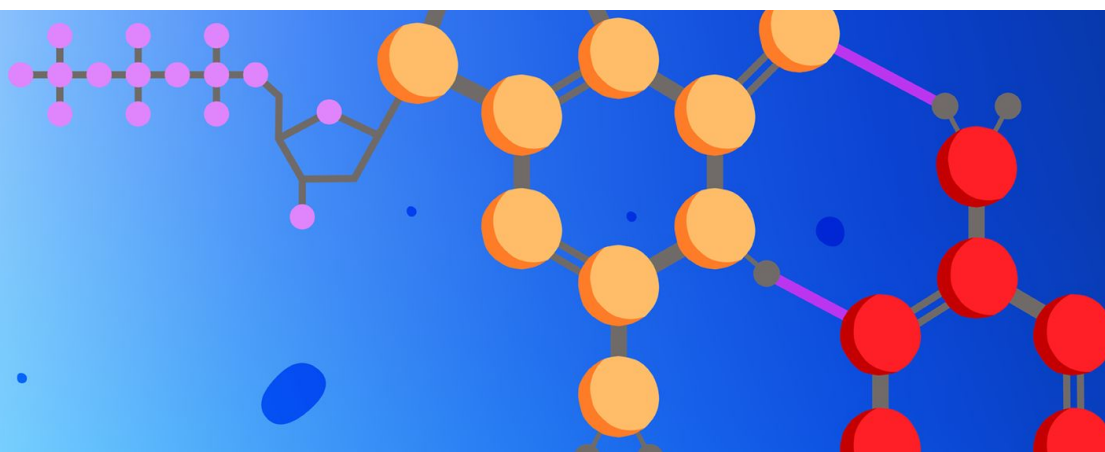
Catalog No.	Product Name	Additional Product Information	Pack Size
03991016103	NucleoMix (dTTP), PCR Grade	sodium salt, 100 mM (25 mmol/L each dNTP)	100 mL
04920171103			20 mL
03186083103	NucleoMix (dTTP), PCR Grade	sodium salt, 40 mM (10 mmol/L each dNTP)	100 mL
03186075103	NucleoMix (dUTP), PCR Grade	sodium salt, 40 mM (10 mmol/L each dNTP)	100 mL
10084880103	NucleoMix, 400 mM (100 mM each)	sodium salt solution	custom fill

Lyo-ready/high conc. enzymes and reagents



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Nucleotides

Ribonucleotides

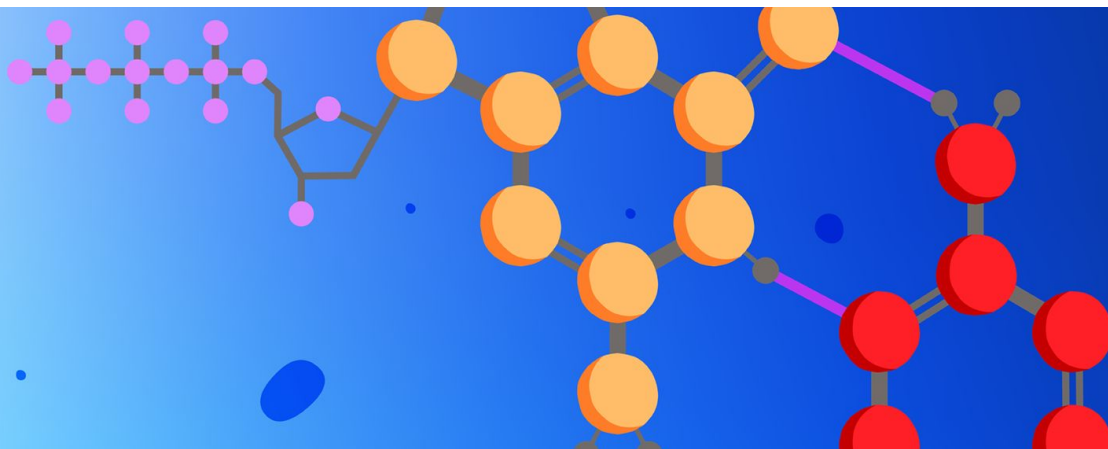
Catalog No.	Product Name	Additional Product Information	Pack Size
06529194103	ATP, Molecular Diagnostic Grade	sodium salt, 325 mM	100 mL
11983946103			500 mL
06529208103	CTP, Molecular Diagnostic Grade	sodium salt, 325 mM	100 mL
11983954103			500 mL
06529216103	GTP, Molecular Diagnostic Grade	sodium salt, 325 mM	100 mL
11983962103			500 mL
06529224103	UTP, Molecular Diagnostic Grade	sodium salt, 325 mM	100 mL
11983989103			500 mL

◇ Lyo-ready/high conc. enzymes and reagents



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Additional Reagents

Sample Preparation

Catalog No.	Product Name	Additional Product Information	Pack Size
05952077103			510 kU
03724778103	DNase I, recombinant, Grade I	from bovine pancreas, expressed in <i>Pichia pastoris</i> , lyophilizate	10 kU
03450384103			250 mg
05963117103	Proteinase K, rec., PCR Grade, lvo.	from <i>Titirachium album</i> , expressed in <i>Pichia pastoris</i> , lyophilizate	5 g
03654672103	Proteinase K, rec., PCR Grade, sol.	from <i>Titirachium album</i> , expressed in <i>Pichia pastoris</i> , solution	850 mL
10154105103	RNase A	from bovine pancreas, lyophilizate, powder	custom fill

Labeling and Detection

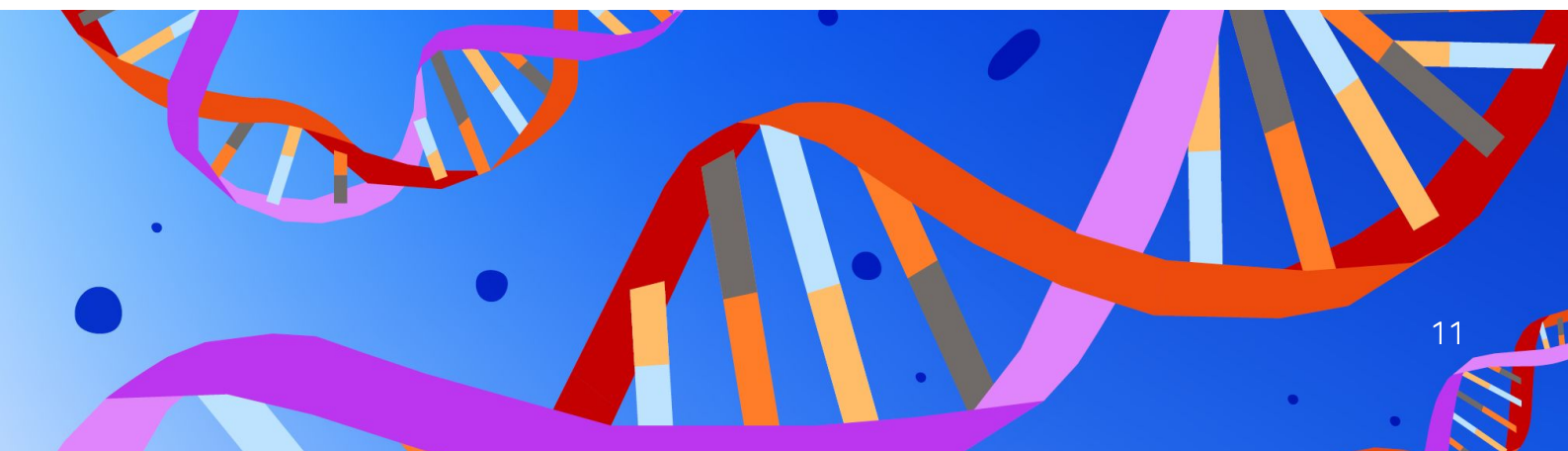
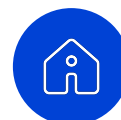
Catalog No.	Product Name	Additional Product Information	Pack Size
11431692103	Biotin-16-ddUTP	1 mM solution	custom fill
11413201103	Biotin-16-UTP	10 mM solution	custom fill
11375601103	Fluorescein-12-dUTP	1 mM solution	custom fill
11542907103	Tetramethylrhodamine-5-dUTP	1 mM solution, lithium salt	custom fill
03289869103	Terminal Transferase, recombinant	from calf thymus, expressed in <i>E. coli</i> , solution	custom fill

◇ Lyo-ready/high conc. enzymes and reagents



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Additional Reagents

RNase Inhibitors

Catalog No.	Product Name	Additional Product Information	Pack Size
09537643103	RNase Inhibitor, rec., GMP Grade, AOF	from rat lung, expressed in <i>E. coli</i> , solution	100 kU (2.5 mL)
09537589103	RNase Inhibitor, rec., lyo-ready	from rat lung, expressed in <i>E. coli</i> , glycerol-free solution	2 MU (50 mL)
10022949103	RNase Inhibitor, rec., lyo-ready		custom fill

Nucleic Acids

11582011103	COT Human DNA	from human placenta DNA, enriched for repetitive sequences, solution	custom fill
05111854103	COT Human DNA, CGH Grade	from human male placenta DNA, enriched for repetitive sequences, solution	custom fill
10223638103	DNA	from fish sperm, lyophilizate	1 g
12159074103	Poly(A)	potassium salt, solution	custom fill
11696548103	Guanidine Hydrochloride	crystals	500 g

Additional Auxiliaries

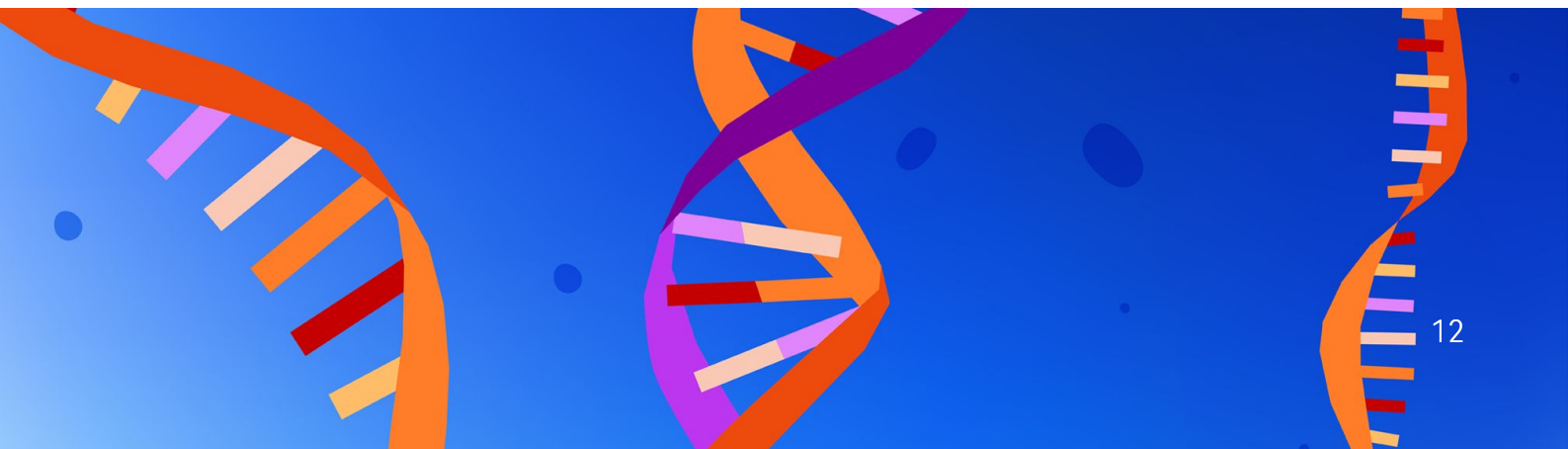
04571363103	Alkaline Phosphatase, rec., 20 U/μL	from bovine intestine, expressed in <i>Pichia pastoris</i> , solution	custom fill
10909246103	T4 DNA Ligase	recombinant form of the enzyme from T4 phage, solution	custom fill
10715859103	Bovine Serum Albumin, Molecular Biology Grade	2% solution	custom fill
06692672103	MgCl₂ Solution	1.0 M Solution	500 mL
03036430103	Water, PCR Grade	purified, double-distilled, deionized, and autoclaved water	0.5 L
11780565103	Uracil-DNA Glycosylase, heat-labile	from marine bacterium BMTU 3346, expressed in <i>E. coli</i>	custom fill

Lyo-ready/high conc. enzymes and reagents



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