

# Roche CustomBiotech 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.

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# 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

### Auxiliary reagents

- Sample preparation
- RNase inhibition
- Labeling & detection
- Buffer components

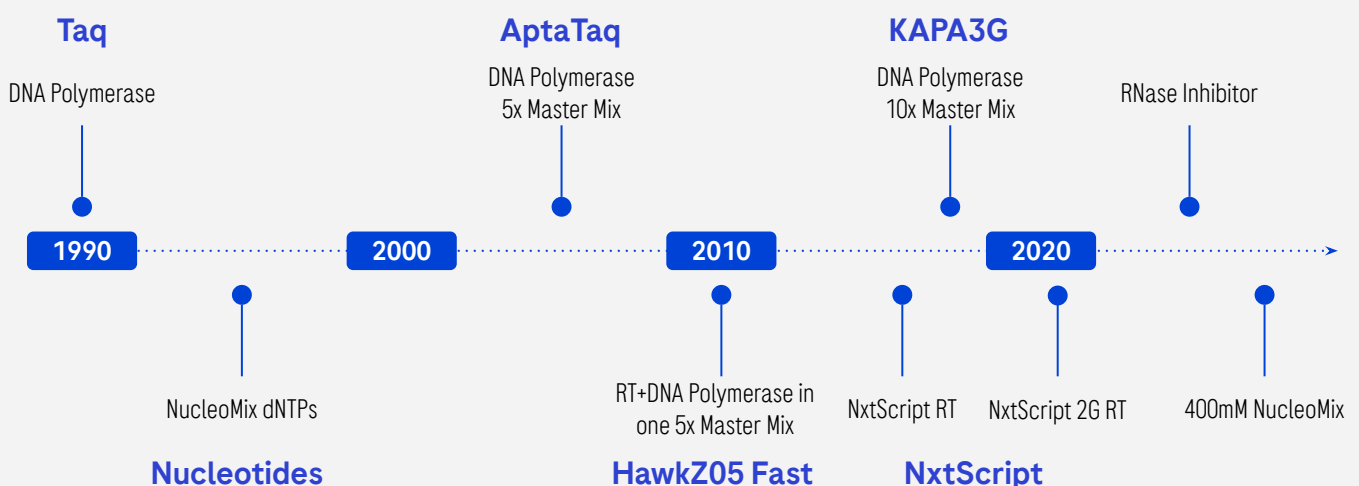
# Lyo-Ready Reagents: Glycerol-Free & High Concentration Reagents for POC Assays

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	<a href="#">AptaTaq DNA Polymerase, 5 U/μl</a>	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , solution	custom fill
05187605103	<a href="#">AptaTaq DNA Polymerase, 50 U/μl</a>	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , glycerol-free solution	custom fill
05447895103	<a href="#">AptaTaq DNA Polymerase LDx, 50 U/μl</a>	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , glycerol-free solution	custom fill
05458030103	<a href="#">AptaTaq exo DNA Polymerase, 5 U/μl</a>	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , solution	custom fill
05364086103	<a href="#">AptaTaq exo DNA Polymerase, 50 U/μl</a>	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , glycerol-free solution	custom fill
07708963103	<a href="#">AptaTaq Fast PCR Buffer</a>	5x concentrated	custom fill

#### FastStart Taq DNA Polymerases

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

#### Kapa DNA Polymerases

Catalog No.	Product Name	Additional Product Information	Pack Size
08918651103	<a href="#">KAPA3G HotStart DNA Polymerase, Glycerol-free, 30 U/μL</a>	from <i>Thermus aquaticus</i> , expressed in <i>E. coli</i>	custom fill, 30 U/μL
09160914103	<a href="#">KAPA3G PCR Buffer</a>	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	<a href="#">Expand High Fidelity PCR System</a>	Polymerase and buffer system for the generation of DNA fragments ranging from 3 kb to 27 kb	custom fill
05917131103	<a href="#">Expand High Fidelity PCR Buffer</a>	10x conc., with MgCl <sub>2</sub>	1 mL

Taq DNA Polymerases

Catalog No.	Product Name	Additional Product Information	Pack Size
11147633103	<a href="#">Taq DNA Polymerase. 5 U/μl</a>	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , solution	custom fill
04827007103	<a href="#">Taq DNA Polymerase. 50 U/μl</a> <span style="color: blue;">◇</span>	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , glycerol-free solution	custom fill
03161455103	<a href="#">Taq DNA Polymerase. GMP Grade. 5 U/μl</a>	from <i>Thermus aquaticus</i> BM, expressed in <i>E. coli</i> , solution	50 kU

## DNA Master Mixes

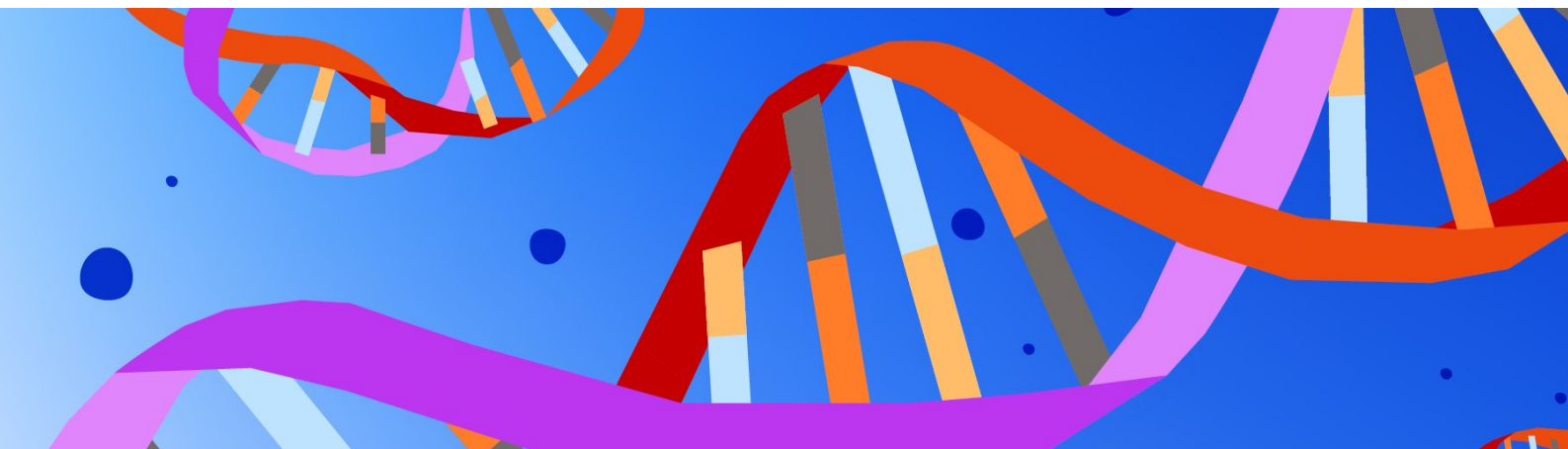
Catalog No.	Product Name	Additional Product Information	Pack Size
06362281001	<a href="#">ActiTag exo Genotyping Master</a>	5x concentrated	50 mL
05890152103	<a href="#">AptaTag Genotyping Master</a> <span style="color: blue;">◇</span>	5x concentrated	custom fill
05955807103		10 mL	10 mL
08041237001	<a href="#">KAPA Probe Force</a>	2x concentrated	10 mL
08041229001		2x concentrated	50 mL
08041113001	<a href="#">KAPA2G Robust HotStart ReadyMix</a>	2x concentrated	12.5 mL
09084711103	<a href="#">KAPA3G HotStart Master</a> <span style="color: blue;">◇</span>	10x concentrated	custom fill
07368143103	<a href="#">NxtScript DNA Master</a>	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	<a href="#">HawkZ05 Fast DNA Polymerase, 200 U/μl</a>	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	<a href="#">M-MLV Reverse Transcriptase, GMP Grade</a>	from Moloney Murine Leukemia Virus, expressed in <i>E. coli</i>	200 kU
07051166103	<a href="#">NxtScript Reverse Transcriptase, concentrate</a>	mutant from Moloney Murine Leukemia Virus, expressed in <i>E. coli</i>	custom fill
07371527103	<a href="#">NxtScript Reverse Transcriptase, 85 U/μl</a>	mutant from Moloney Murine Leukemia Virus, expressed in <i>E. coli</i>	80 μL
09085220103	<a href="#">NxtScript 2G RT, conc.</a>	thermostable reverse transcriptase, 500 U/μL, glycerol-free solution	custom fill
09917225001	<a href="#">NxtScript Reverse Transcriptase, high conc., 1MU</a>	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	<a href="#">HawkZ05 Fast One-Step RT-PCR Master (Rox)</a>	2.3x concentrated	1 kit
06402305190	<a href="#">HawkZ05 Fast One-Step RT-PCR Master</a>	5x concentrated, 0.5% glycerol content, w/o ROX 50 mL	1 kit
06402283190	<a href="#">Master</a>	5x concentrated, 0.5% glycerol content, w/o ROX 5 mL	1 kit
07873468001	<a href="#">EvoScript RNA Master</a>	5x concentrated	5 mL

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## Nucleotides

### Deoxynucleotides

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

### Deoxyribonucleotide Mixes

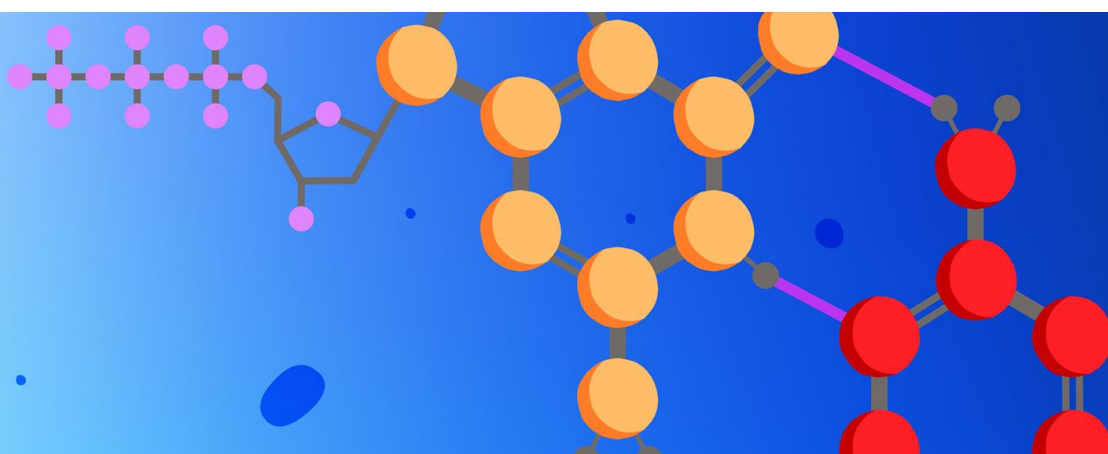
Catalog No.	Product Name	Additional Product Information	Pack Size
03991016103	<a href="#">NucleoMix (dTTP), PCR Grade</a>	sodium salt, 100 mM (25 mmol/L each dNTP)	100 mL
04920171103			20 mL
03186083103	<a href="#">NucleoMix (dTTP), PCR Grade</a>	sodium salt, 40 mM (10 mmol/L each dNTP)	100 mL
03186075103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

Lyo-ready/high conc. enzymes and reagents



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## Nucleotides

### Ribonucleotides

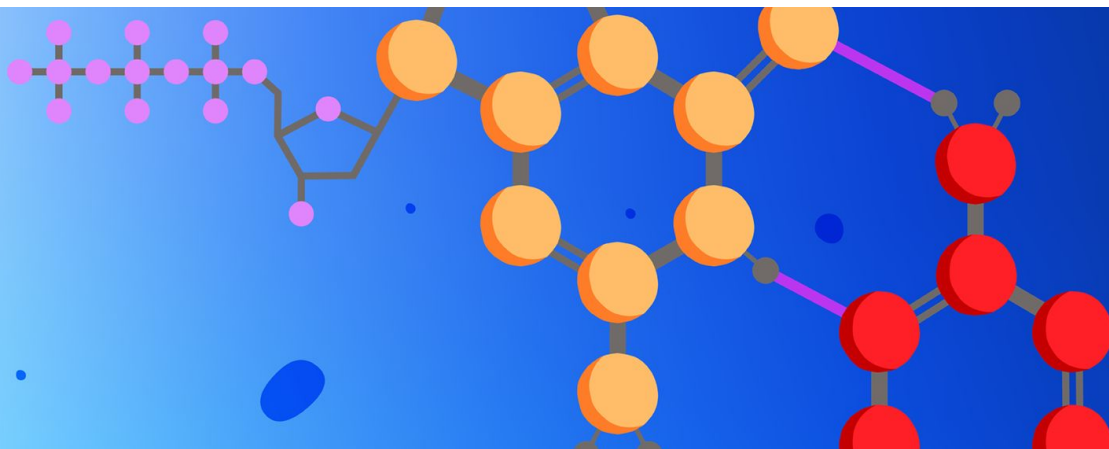
Catalog No.	Product Name	Additional Product Information	Pack Size
06529194103	<a href="#">ATP, Molecular Diagnostic Grade</a>	sodium salt, 325 mM	100 mL
11983946103			500 mL
06529208103	<a href="#">CTP, Molecular Diagnostic Grade</a>	sodium salt, 325 mM	100 mL
11983954103			500 mL
06529216103	<a href="#">GTP,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

◇ Lyo-ready/high conc. enzymes and reagents



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## Sample Preparation

Catalog No.	Product Name	Additional Product Information	Pack Size
05952077103			510 kU
03724778103	<a href="#">DNase I, recombinant, Grade I</a>	from bovine pancreas, expressed in <i>Pichia pastoris</i> , lyophilizate	10 kU
03508838103			100 mg
03450384103	<a href="#">Proteinase K, rec., PCR Grade, lyo.</a>	from <i>Titrirachium album</i> , expressed in <i>Pichia pastoris</i> , lyophilizate	250 mg
05963117103			5 g
03654672103	<a href="#">Proteinase K, rec., PCR Grade, sol.</a>	from <i>Titrirachium album</i> , expressed in <i>Pichia pastoris</i> , solution	850 mL
10154105103	<a href="#">RNase A</a>	from bovine pancreas, lyophilizate, powder	custom fill

## Labeling and Detection

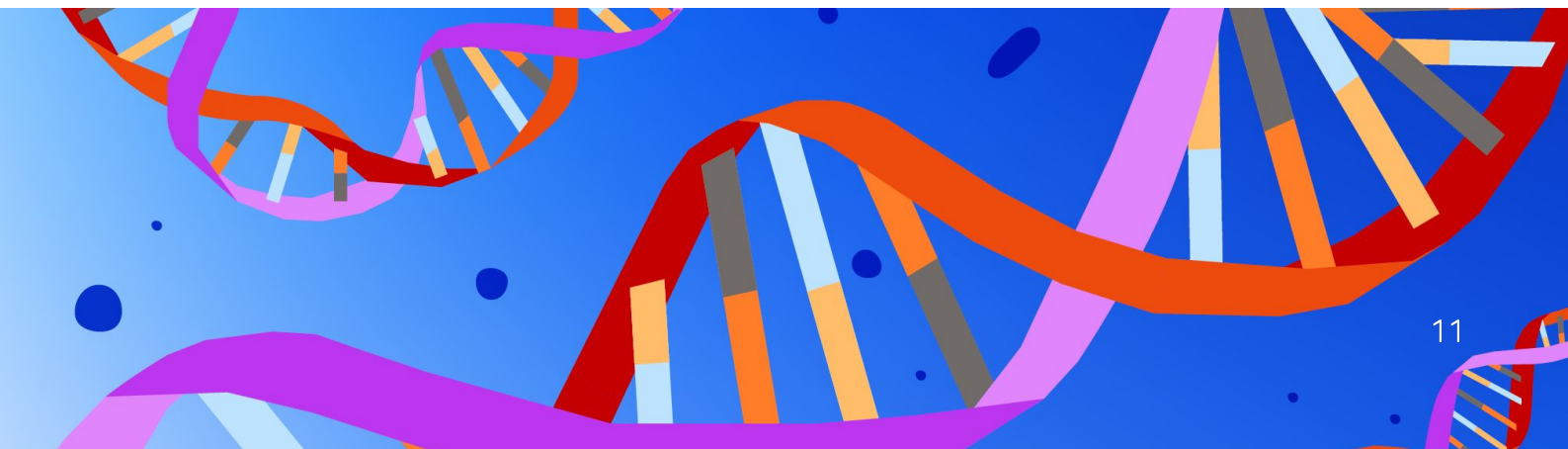
Catalog No.	Product Name	Additional Product Information	Pack Size
11431692103	<a href="#">Biotin-16-ddUTP</a>	1 mM solution	custom fill
11413201103	<a href="#">Biotin-16-UTP</a>	10 mM solution	custom fill
11375601103	<a href="#">Fluorescein-12-dUTP</a>	1 mM solution	custom fill
11542907103	<a href="#">Tetramethylrhodamine-5-dUTP</a>	1 mM solution, lithium salt	custom fill
03289869103	<a href="#">Terminal Transferase, recombinant</a>	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 & Auxiliaries

### RNase Inhibitors

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

### Nucleic Acids

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

### Additional Reagents

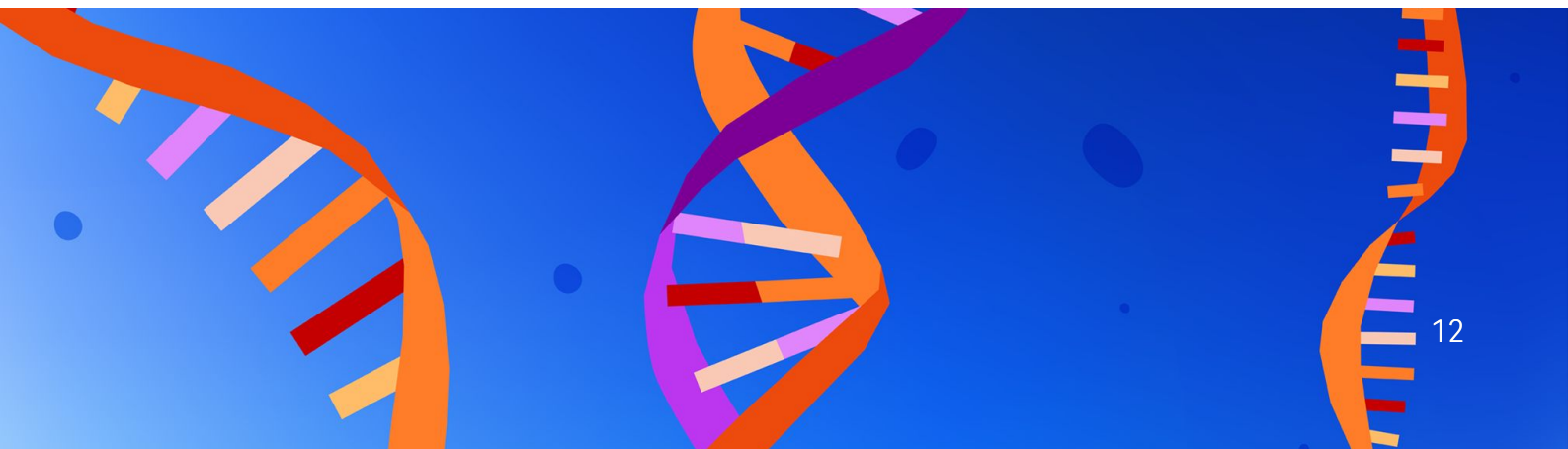
04571363103	<a href="#">Alkaline Phosphatase, rec., 20 U/μL</a>	from bovine intestine, expressed in <i>Pichia pastoris</i> , solution	custom fill
10909246103	<a href="#">T4 DNA Ligase</a>	recombinant form of the enzyme from T4 phage, solution	custom fill
10715859103	<a href="#">Bovine Serum Albumin,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

Lyo-ready/high conc. enzymes and reagents



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