



Roche CustomBiotech Product Catalog for Biopharma Manufacturing





Roche CustomBiotech – We supply your next step

As partner and supplier for healthcare companies and manufacturers we streamline your operations, power your growth and assist you in delivering better healthcare for all.

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, ingredients, 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, cell and gene therapies or molecular POC kits.







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Powering excellence for your development & manufacturing

Portfolio for Manufacturing of Biologics

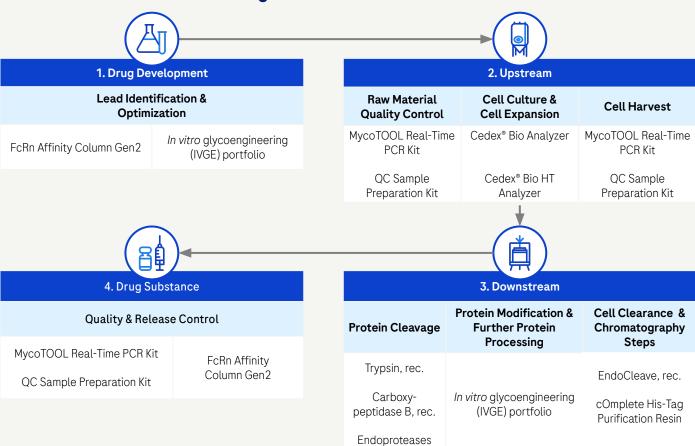
Biologics are an important drug class used in **oncology**, **anti-immunity**, and **chronic inflammatory diseases**. The drug therapy product's active substance is extracted or produced from a biological source.

Biologics include **monoclonal antibodies** (*mAbs*) and further therapeutic recombinant proteins.

The proteins are mainly produced by mammalian cells or bacteria.

With decades of experience in providing high quality raw materials, instruments and solutions for biotherapeutics manufacturers, we offer **proven solutions** for your unique process.

Discover Products for Your Biologics Workflow:









Propelling advanced therapy medicinal products from concept to commercialization

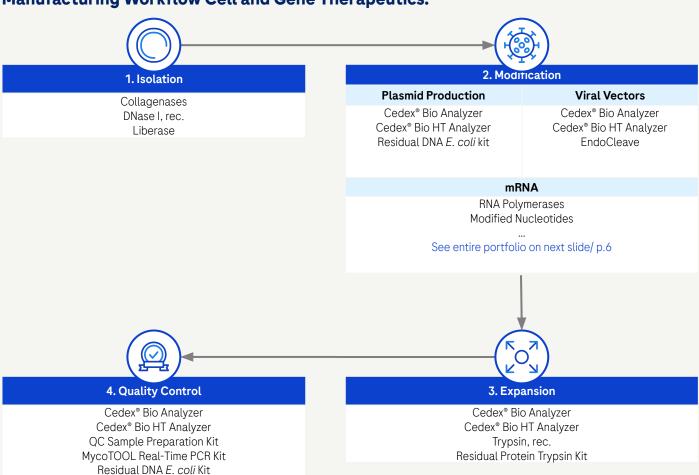
Portfolio for Manufacturing of Cell & Gene Therapeutics

Cell and gene therapies have the potential to revolutionize healthcare by offering **unprecedented treatment possibilities**.* At Roche CustomBiotech, we understand the technical complexity involved in implementing transformative advanced therapy medicinal products (ATMPs).

Our commitment is to be your dedicated partner in providing **tailored solutions for manufacturing advanced therapeutics.** By utilizing precisely defined and scalable raw materials, coupled with robust quality control solutions, we support manufacturing efficiency and compliance with regulatory requirements.



Manufacturing Workflow Cell and Gene Therapeutics:





mRNA raw materials: a clear path to market

Portfolio for Manufacturing of mRNA Therapeutics

Design your mRNA manufacturing process with the certainty of fit-for-purpose standards for raw materials. Developed with a quality-by-design approach and based on customer requirements,

CustomBiotech mRNA raw materials align to industry specifications and are produced in the state-of-the-art facilities and quality infrastructure of Roche Pharmaceuticals and Diagnostics.

GMP Grade and fit-for-purpose mRNA materials







Animal-originfree (AOF)



Antibiotic-free (B-lactam-free)



Extended Impurity testina



Extended quality documentation

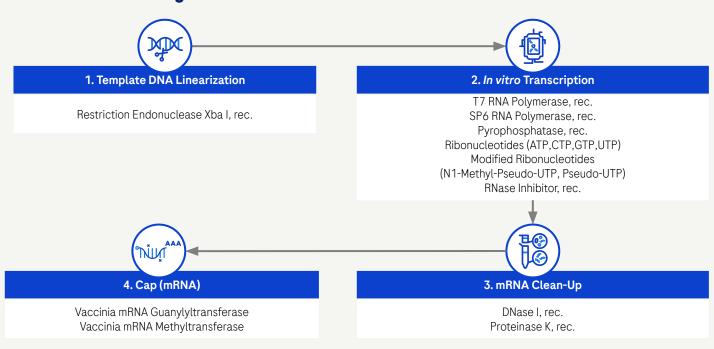






Scalability & Consistency

mRNA Manufacturing Workflow and CustomBiotech Raw Materials:





■ Discover more about reagents for mRNA therapeutics





BioPharma Product List





Bioprocess Control

Cedex® Bio Analyzer & Accessories

Product Name
Cedex® Bio Analyzer
Activator Bio
Adapter Cups
Chimneys
Cleaner Acidic
Cleaner Alkaline Bio
Deproteinizer Bio
Micro Cuvette Segments Bio
NaCl Diluent 9% Bio
Thermo Printer Paper

Catalog Number	
06395554001	
07766700001	
06455638001	
06455646001	
06455590001	
06689485001	
06440517001	
06455581001	
06684700001	
06455484001	

Content
1 instrument
4 x 9 mL
30 adapters
96 chimneys
1000 mL
8 x 21 mL
2 x 11 mL
1680 cuvettes
8 x 12 mL
5 rolls





Cedex® Bio Analyzer









Bioprocess Control

Cedex® Bio HT Analyzer & Accessories

Product Name
Cedex® Bio HT Analyzer
Accelerator, 100 mL
Activator Bio
Activator Bottle Set Bio HT
Adapter Cups
Cleaner Acidic
Cleaner Alkaline Bio HT
Deproteinizer Bio HT
Kit Labels Multiwell Rack Cedex
Microcuvettes Bio HT
NaCl Diluent 9%
Opening Tool Bio HT
Rack Multiwell Plate Cedex
Waste Container Bio HT

Catalog Number	
06608116001	
06609333001	
07766700001	
06613128001	
06455638001	
06455590001	
06612369001	
06664288001	
10409347001	
06609392001	
06609406001	
07094345001	
10420618001	
07094302001	

Content
1 instrument
100 mL
4 x 9 mL
50 bottles
30 adapters
1000 mL
200 usages
6 x 21 mL
1 kit
20,000 cuvettes
6 x 22 mL
3 tools
1 rack
20 containers





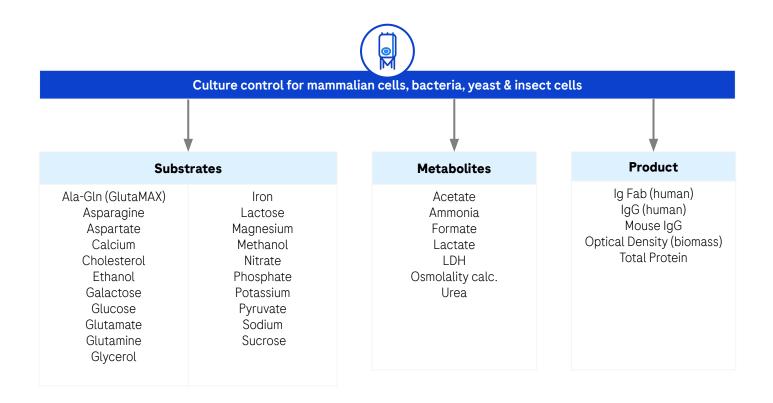
Cedex® Bio HT Analyzer





Bioprocess Control

Cedex® Bio and Bio HT Assays Overview





Regulatory disclaimers are listed on the respective product page on <u>custombiotech.roche.com</u>







Cedex® Bio Analyzer Assays

Product Name
Acetate V2 Bio
Ala-Gln Bio
Asn/Asp Bio
Calcium Bio
Cholesterol Bio
Ethanol Bio
Formate Bio
Galactose/Arabinose Bio
Glucose Bio
Glutamate V2 Bio
Glutamine V2 Bio
Glycerol Bio
Ig Fab Bio
IgG Bio
Iron Bio
Lactate Bio
Lactose Bio
LDH Bio
Magnesium V2 Bio
Methanol Bio
Mouse IgG Bio
NH3 Bio
Nitrate Bio
OD Bio
Phosphate Bio
Potassium Bio
Pyruvate Bio
Sodium Bio
Sucrose Bio
Total Protein Bio
Urea Bio

Catalog Number
07395442001
08056978001
09437312001
07374623001
07374577001
08055645001
07705590001
08391599001
06343732001
07395582001
07395655001
07374607001
08881332001
06681743001
06990045001
06343759001
10387653001
06343767001
09324542001
08055688001
08377944001
06343775001
09816364001
07705620001
06990070001
08881367001
07395680001
08881863001
07705557001
07374593001
10258829001

Content (tests)
4 x 50 tests
4 x 50 tests
4 x 50 tests
2 x 100 tests
2 x 100 tests
4 x 50 tests
4 x 50 tests
4 x 50 tests
2 x 100 tests
4 x 50 tests
4 x 50 tests
4 x 50 tests
4 x 50 tests
2 x 100 tests
2 x 50 tests
4 x 50 tests
4 x 100 tests
4 x 50 tests
4 x 50 tests
4 x 50 tests
4 x 50 tests
2 x 100 tests
4 x 50 tests
4 x 100 tests
4 x 50 tests
4 x 50 tests
4 x 50 tests
4 x 50 tests
4 x 50 tests
2 x 100 tests
4 x 50 tests





Discover more about Cedex® Analyzers



Cedex® Bio HT Analyzer Assays

Product Name
Acetate V2 Bio HT
Ala-Gln Bio HT
Asn/Asp Bio HT
Calcium Bio HT
Cholesterol Bio HT
Ethanol Bio HT
Formate Bio HT
Galactose/Arabinose Bio HT
Glucose Bio HT
Glutamate V2 Bio HT
Glutamine V2 Bio HT
Glycerol Bio HT
Ig Fab Bio HT
IgG Bio HT
Iron Bio HT
Lactate Bio HT
Lactose Bio HT
LDH Bio HT
Magnesium V2 Bio HT
Methanol Bio HT
Mouse IgG Bio HT
NH3 Bio HT
Nitrate Bio HT
OD Bio HT
Phosphate Bio HT
Potassium Bio HT
Pyruvate Bio HT
Sodium Bio HT
Sucrose Bio HT
Total Protein Bio HT
Urea Bio HT

Catalog Number
07395485001
08056943001
09437339001
06990100001
07212763001
08055661001
07705603001
08391629001
06608418001
07395566001
07395612001
06990126001
08881359001
06608540001
06990053001
06608485001
10387661001
06608493001
09324569001
08055718001
08377979001
06608515001
09816356001
07705654001
06990088001
08881731001
07299818001
08881871001
07705565001
06990169001
10258845001

Content (tests)
200 tests
200 tests
200 tests
300 tests
400 tests
100 tests
200 tests
200 tests
800 tests
200 tests
200 tests
250 tests
200 tests
100 tests
200 tests
100 tests
400 tests
300 tests
250 tests
200 tests
200 tests
150 tests
300 tests
400 tests
250 tests
165 tests
200 tests
200 tests
200 tests
300 tests
300 tests







Cedex® Bio/Cedex® Bio HT Calibrators and Controls

Product Name	
Calibrator A Bio	_
Calibrator B Bio	_
Calibrator C Bio	_
Calibrator D Bio	_
Calibrator E Bio	_
Calibrator F Bio	_
Calibrator K Bio	_
Calibrator M Bio	_
Control A Level 1 Bio	_
Control A Level 2 Bio	_
Control A Level 3 Bio	_
Control B Level 1 Bio	_
Control B Level 2 Bio	_
Control B Level 3 Bio	_
Control C Level 1 Bio	_
Control C Level 2 Bio	_
Control C Level 3 Bio	_
Control D Level 1 Bio	
Control D Level 2 Bio	
Control D Level 3 Bio	
Control E Level 1 Bio	
Control E Level 2 Bio	
Control E Level 3 Bio	
Control F Level 1 Bio	
Control F Level 2 Bio	
Control F Level 3 Bio	
Control M Level 1 Bio	_
Control M Level 2 Bio	
Control M Level 3 Bio	
Control OD Level 1 Bio	_
Control OD Level 2 Bio	_
Control OD Level 3 Bio	_

Catalog Number
06682189001
06682553001
07020716001
07368321001
08083703001
08377987001
09336699001
08083614001
06682197001
06682227001
06682545001
06682561001
06682570001
06682588001
07020724001
07020872001
07020902001
07368178001
07368186001
07368194001
08083797001
08083819001
08083827001
08377995001
08378002001
08378029001
08083657001
08083665001
08083681001
07766637001
07766645001
07766670001

Content (tests)
6 x 1 mL
6 x 0.5 mL
6 x 1 mL
6 x 1 mL
6 x 0.5 mL
6 x 1 mL
6 x 1 mL
6 x 0.5 mL
6 x 1 mL
6 x 1 mL
6 x 1 mL
6 x 0.5 mL
6 x 0.5 mL
6 x 0.5 mL
6 x 1 mL
6 x 1 mL
6 x 1 mL
6 x 1 mL
6 x 1 mL
6 x 1 mL
6 x 0.5 mL
6 x 0.5 mL
6 x 0.5 mL
6 x 1 mL
6 x 1 mL
6 x 1 mL
6 x 0.5 mL
6 x 0.5 mL
6 x 0.5 mL
6 x 1 mL
6 x 1 mL
6 x 1 mL







Discover more about Cedex® Analyzers



Quality Control

Mycoplasma Testing

Product Name					
MycoTOOL	Mycoplash				

Real-Time PCR Kit

MycoTOOL Mycoplasma
Detection Amplification Kit

MycoTOOL Control Plasmid

MycoTOOL Carrier DNA

QC Sample Preparation Kit

Product Name Addition

for real time PCR mycoplasma detection

for endpoint PCR mycoplasma detection

for use as positive control of mycoplasma detection

for testing cell free samples for the absence of mycoplasma

for preparation of cell culture samples before PCR/RT PCR detection of mycoplasma or residual DNA

Catalog Number

06495605001

05184240001

05196132103

05619424001

08146829001

Pack Size

1 kit (160 PCR reactions)

1 kit

10,000 ng

1 kit

1 kit

Residual DNA & Protein Testing

Product Name

Residual DNA CHO Kit

Residual DNA E. coli Kit

Residual Protein Trypsin Kit

Residual Protein 2,6-Sialyltransferase

Residual Protein Galactosyltransferase

Product Name Addition

Kit for determination of residual DNA CHO

Kit for determination of residual DNA *E.coli*

Kit for determination of trypsin

Kit for determination of 2,6-Sialyltransferase

Kit for quantitative detection of β -1,4-Galactosyltransferase

Catalog Number

07427689001

07728735001

07568975001

08011478001

08182990001

Pack Size

1 kit

1 kit

1 kit

1 kit (96 reactions)

1 kit

(96 reactions)



Discover more about quality control solutions

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mRNA Raw Materials

Proteins

Product Name				
T7 RNA Polymerase, rec				
GMP Grade, AOF				

Pyrophosphatase, rec., GMP Grade, AOF

RNase Inhibitor, rec., GMP Grade, AOF

DNase I, rec., GMP Grade, AOF

Proteinase K, rec., PCR Grade, sol.

SP6 RNA Polymerase, rec., GMP Grade, AOF

Restriction Endonuclease Xba I, rec., AOF

Vaccinia mRNA Guanylyltransferase

Vaccinia mRNA Methyltransferase

Product Name Addition
from T7 bacteriophage, recombinant in <i>E.coli</i> , solution
from yeast, expressed in <i>E. coli</i> , solution
from rat lung, expressed in <i>E.coli</i> , solution
from bovine pancreas, recombinant, expressed in <i>Pichia pastoris</i> , solution
from <i>Titrirachium album</i> , expr. in <i>Pichia pastoris</i> , solution
from SP6 bacteriophage, recombinant in <i>E.coli</i> , solution
from Xanthomonas campestris pv. Badrii, expressed in E. coli, solution
from <i>vaccinia virus</i> , expressed in <i>E. coli</i> , solution
from vaccinia virus, expressed

in E. coli, solution

Catalog Number	Pack Size
08140669103	10 mL
08140677103	20 mL
09537643103	100 kU (2.5 mL)
09537589103	2 MU (50 mL)
09873562001	200 kU
09852093103	320 mL
09753826103	please inquire
09959513103	25 mL
09520848103	250 kU (25 mL)
09520848101	50 kU (5 mL)
10642025101	5 mL
10642025103	custom fill
10267500101	5 mL
10267500103	70 mL





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mRNA Raw Materials

Nucleotides

Product Name	Product Name Addition	Catalog Number	Pack size	
ATP, GMP Grade, AOF		09744363103	100 mL	
	sodium salt, 100 mM	09744380103	500 mL	
ATP, GMP Grade, AOF	325 mM, pH 8.3	09744410103	100 mL	
CTD CMD Carada ACE		09745092103	100 mL	
CTP, GMP Grade, AOF	sodium salt, 100 mM	09745106103	500 mL	
CTP, GMP Grade, AOF	325 mM, pH 8.3	09745122103	100 mL	
CTD CMD Carada AOE		09745173103	100 mL	
GTP, GMP Grade, AOF	sodium salt, 100 mM	09745203103	500 mL	
GTP, GMP Grade, AOF	325 mM, pH 8.3	09745220103	100 mL	
LITE CMD Carada ACE		09745343103	100 mL	
UTP, GMP Grade, AOF	sodium salt, 100 mM	09962646103	500 mL	
UTP, GMP Grade, AOF	325 mM, pH 8.3	09962689103	100 mL	
		09538798103	1.0 mL	
Pseudo-UTP, AOF	sodium salt, 100 mM, solution	09754334103	100 mL	
N1-Methyl-Pseudo-UTP, GMP Grade, AOF	sodium salt, 100 mM, solution	10490896103	100 mL	





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Endonucleases for Viral Vector Production

Endonuclease

Product Name

EndoCleave, rec., GMP Grade, AOF

Product Name Addition

from Serratia marcescens, recombinant, expressed in *E.coli*, solution

Catalog Number

10360500103 10360364103 10360321103

Pack size

100KU 500KU 5000KU

- Broad-spectrum activity:
 Reliable degradation of both
 single-stranded and double-stranded
- DNA and RNA.
- Protect Downstream Quality:
 Removes nucleic acids efficiently to prevent interference with your final product.
- High Specificity:
 Preserves protein yield and integrity
 by only targeting nucleic acids¹.

• Seamless Integration:

Easily fits into your existing biopharmaceutical workflows

Speed Up Approval:

Accelerate your timeline with our off-the-shelf regulatory documents



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1) Data on file at Roche







Protease Portfolio

Endoproteases

Product Name	Product Name Addition	Catalog Number	Pack Size	
Truncia ros CMD Crodo	averaged in Diabia a sectoria	06369880103	PC (1g = 0.23 MU)	
Trypsin, rec., GMP Grade	expressed in <i>Pichia pastoris</i>	03358658103	3.5 MU	
Endoproteinase Glu-C	from Staphylococcus aureus V8, lyophilizate, salt-free	10787906103		
Proteinase K, rec., PCR Grade, sol.	from Titrirachium album, expressed in Pichia pastoris, solution	03654672103	850 mL	
Proteinase K, rec.,	from Titrirachium album,	03450384103	250 mg	
PCR Grade, lyo.	expressed in <i>Pichia pastoris</i> , lyophilizate	05963117103	5 g	
Amino Acid Arylamidase	from Hog Kidney	10150754103	custom fill	
Collagenase I, GMP Grade	liquid, mammalian free, from Chlostridium histolyticum	05172969103	custom fill	
Collagenase I/II, GMP Grade	lyophilizate, mammalian free, from <i>Chlostridium histolyticum</i>	05349907103	1 bottle	
Collagenase II, GMP Grade	liquid, mammalian free, from Chlostridium histolyticum	05172942103	custom fill	



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Protease Portfolio

Exoproteases

P	r۸	h		ct	N	ar	ne
	v	u	u	uч	14	aı	пс

Carboxypeptidase B, rec., GMP Grade

Product Name Addition

from rat pancreas, expressed in *Pichia pastoris*, solution

Catalog Number

03358682103

Pack Size

0.03 MU

Mix of Exo-and Endoproteases

Product Name

Pronase

Product Name Addition

from *Streptomyces griseus*, lyophilizate

Catalog Number

10165913103

Content (tests)

100 g

Related products/quality control

Product Name

Chromozym TRY

Residual Protein Trypsin Kit

Product Name Addition

powder

Kit for determination of trypsin

Catalog Number

10378496103

07568975001

Content (tests)

custom fill

1 kit

Protease inhibitors

Product Name

Aprotinin

Leupeptin

Product Name Addition

from bovine lung, lyophilizate

Ac-Leu-Leu-argininal x ½ H2SO4, synthetic

Catalog Number

10236632103

10528595103

Content (tests)

custom fill

custom fill



Discover more about proteases for protein processing

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Columns and Resins

Product Name

FcRn Affinity Column Gen2

FcRn IgG Control

cOmplete His-Tag Purification Resin

Product Name Addition

prepacked column for affinity chromatography

for functional control of the FcRn Affinity Column Gen 2

pre-charged with Ni^2+, ready-to-use

Catalog Number

09430857001

09494804001

08778850001

Pack Size

1 column

1 mL

800 mL, settled resin volume





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In vitro Glycoengineering

Glycosyltransferases

Product N	lame
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 α -2,3-Sialyltransferase, rec.

 α -2,6-Sialyltransferase, rec.

β-1,4-Galactosyltransferase, rec. EQ

Activated Sugars

CMP-N-Acetylneuraminic

UDP-N-Acetylgalactosamine

Product Name Addition

human, expressed in CHO-K1

human, expressed in CHO-K1

human, expressed in

HEK-293F, solution

cells

cells

sodium salt, lyophilizate

disodium salt, lyophilizate

Catalog Number

07429916103

08098174103

08098182103

Pack Size

custom fill

custom fill

custom fill

Product Name

Acid (CMP-NANA)

UDP-Galactose animal-free

Product Name Addition

sodium salt, lyophilizate

Catalog Number

05974003103

07703562103 06369855103

Pack Size

custom fill

custom fill

custom fill

Related Products

Product Name

Alkaline Phosphatase, recombinant, highly active

Residual Protein 2,6-Sialyltransferase

Residual Protein Galactosyltransferase

Product Name Addition

from calf intestine, expressed in Pichia pastoris, solution

ELISA kit for determination of 2,6-Sialyltransferase

ELISA kit for quantitative detection of

 β -1,4-Galactosyltransferase

Catalog Number

03137031103

08011478001

08182990001

Pack Size

custom fill

1 kit

(96 reactions)

1 kit

(96 reactions)



Discover more about in vitro Glycoengineering

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Tissue Dissociation

Product Name	Product Name Addition	Name Addition Catalog Number		
Liberase MNP-S	0.2 µm filtered, lyophilizate	0.2 µm filtered, lyophilizate 05578566001		
Liberase MNP-S GMP Grade	0.2 µm filtered, lyophilizate	0.2 µm filtered, lyophilizate 06297790001		
Liberase MTF C/T, GMP Grade	0.2 µm filtered, lyophilizate	0.2 µm filtered, lyophilizate 05339880001		
Liberase T-Flex, Research Grade	0.2 µm filtered, lyophilizate	05989132001	1 kit	
Collagenase I, GMP Grade	liquid, mammalian free, from Chlostridium histolyticum	05172969103	custom fill	
Collagenase I/II, GMP Grade	lyophilizate, mammalian free, from <i>Chlostridium histolyticum</i>	05349907103	1 bottle	
Collagenase II, GMP Grade	liquid, mammalian free, from Chlostridium histolyticum	05172942103	custom fill	



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Raw Materials BioPharma

Product Name	Product Name Addition	Catalog Number	Pack Size
Catalase	from Corynebacterium glutamicum, solution	11668153103	custom fill
NADH, Food Grade	disodium salt, lyophilizate	03277372103	1 kg
Glutathione, reduced form (GSH)	crystalline powder	10002801103	custom fill
Glutathione, oxidized form (GSSG)	crystalline powder	10151327103	custom fill









Not finding what you are looking for? Contact us



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