

Molecular diagnostics

Supporting disease identification and the development of targeted therapies for the future

Molecular diagnostics focuses on disease diagnosis, predicting disease course, selecting treatments, and monitoring the effectiveness of therapies. Which products and solutions should you choose to support your sample preparation, amplification and labelling needs?

For the latest special offers on Cytiva's genomics products visit: cytiva.com/shop/molecular-biology

Sample preparation

DNA extraction

RNA extraction

Clean-up and enrichment

Bead-based		
Product code	Product name	Pack size
28948964	MagRack 6	1 piece
28986441	MagRack Maxi	1 piece
29103137	Sera-Mag™ Carboxylate-Modified [E3] Magnetic Particles	15 mL
29103138	Sera-Mag™ Carboxylate-Modified [E3] Magnetic Particles	100 mL
29103141	Sera-Mag™ Carboxylate-Modified [E3] Magnetic Particles	1000 mL
29103105	Sera-Mag™ Carboxylate-Modified [E7] Magnetic Particles	15 mL
29103107	Sera-Mag™ Carboxylate-Modified [E7] Magnetic Particles	100 mL
29103110	Sera-Mag™ Carboxylate-Modified [E7] Magnetic Particles	1000 mL
29103148	Sera-Mag™ SpeedBead Carboxylate-Modified [E3] Magnetic Particles	15 mL
29103149	Sera-Mag™ SpeedBead Carboxylate-Modified [E3] Magnetic Particles	100 mL
29103151	Sera-Mag™ SpeedBead Carboxylate-Modified [E3] Magnetic Particles	1000 mL
29103144	Sera-Mag™ SpeedBead Carboxylate-Modified [E7] Magnetic Particles	15 mL
29103146	Sera-Mag™ SpeedBead Carboxylate-Modified [E7] Magnetic Particles	100 mL
29103147	Sera-Mag™ SpeedBead Carboxylate-Modified [E7] Magnetic Particles	1000 mL
29357369	SeraSi-Mag™ 400	5 mL
29357371	SeraSi-Mag™ 400	60 mL
29357372	SeraSi-Mag™ 400	450 mL
29357373	SeraSi-Mag™ 700	5 mL
29357374	SeraSi-Mag™ 700	60 mL
29357375	SeraSi-Mag™ 700	450 mL

Bead-based		
Product code	Product name	Pack size
28948964	MagRack 6	1 piece
28986441	MagRack Maxi	1 piece
29103137	Sera-Mag™ Carboxylate-Modified [E3] Magnetic Particles	15 mL
29103138	Sera-Mag™ Carboxylate-Modified [E3] Magnetic Particles	100 mL
29103141	Sera-Mag™ Carboxylate-Modified [E3] Magnetic Particles	1000 mL
29103105	Sera-Mag™ Carboxylate-Modified [E7] Magnetic Particles	15 mL
29103107	Sera-Mag™ Carboxylate-Modified [E7] Magnetic Particles	100 mL
29103110	Sera-Mag™ Carboxylate-Modified [E7] Magnetic Particles	1000 mL
29103135	Sera-Mag™ Oligo (dT) Coated Magnetic particles	1 mL
29103133	Sera-Mag™ Oligo (dT) Coated Magnetic particles	5 mL
29103134	Sera-Mag™ Oligo (dT) Coated Magnetic particles	100 mL
29103148	Sera-Mag™ SpeedBead Carboxylate-Modified [E3] Magnetic Particles	15 mL
29103149	Sera-Mag™ SpeedBead Carboxylate-Modified [E3] Magnetic Particles	100 mL
29103151	Sera-Mag™ SpeedBead Carboxylate-Modified [E3] Magnetic Particles	1000 mL

Bead-based		
Product code	Product name	Pack size
28948964	MagRack 6	1 piece
28986441	MagRack Maxi	1 piece
29103137	Sera-Mag™ Carboxylate-Modified [E3] Magnetic Particles	15 mL
29103138	Sera-Mag™ Carboxylate-Modified [E3] Magnetic Particles	100 mL
29103141	Sera-Mag™ Carboxylate-Modified [E3] Magnetic Particles	1000 mL
29103105	Sera-Mag™ Carboxylate-Modified [E7] Magnetic Particles	15 mL
29103107	Sera-Mag™ Carboxylate-Modified [E7] Magnetic Particles	100 mL
29103110	Sera-Mag™ Carboxylate-Modified [E7] Magnetic Particles	1000 mL
29103135	Sera-Mag™ Oligo (dT) Coated Magnetic particles	1 mL
29103133	Sera-Mag™ Oligo (dT) Coated Magnetic particles	5 mL
29103134	Sera-Mag™ Oligo (dT) Coated Magnetic particles	100 mL
29103148	Sera-Mag™ SpeedBead Carboxylate-Modified [E3] Magnetic Particles	15 mL
29103149	Sera-Mag™ SpeedBead Carboxylate-Modified [E3] Magnetic Particles	100 mL
29103151	Sera-Mag™ SpeedBead Carboxylate-Modified [E3] Magnetic Particles	1000 mL

Column-based		
Product code	Product name	Pack size
28904258	Bacteria genomicPrep Mini Spin Kit	50 reactions
28904259	Bacteria genomicPrep Mini Spin Kit	250 reactions
28904263	Blood genomicPrep Mini Spin Kit	10 reactions
28904264	Blood genomicPrep Mini Spin Kit	50 reactions
28904265	Blood genomicPrep Mini Spin Kit	250 reactions
25006716	Nucleon™ BACC1	1 kit
25006717	Nucleon™ BACC2	1 kit
25006722	Nucleon™ BACC3	1 kit
25006719	Nucleon™ HT Genomic DNA Kit	1 kit
28904275	Tissue and cells genomicPrep Mini Spin Kit	50 reactions
28904276	Tissue and cells genomicPrep Mini Spin Kit	250 reactions

Bead-based		
Product code	Product name	Pack size
29103144	Sera-Mag™ SpeedBead Carboxylate-Modified [E7] Magnetic Particles	15 mL
29103146	Sera-Mag™ SpeedBead Carboxylate-Modified [E7] Magnetic Particles	100 mL
29103147	Sera-Mag™ SpeedBead Carboxylate-Modified [E7] Magnetic Particles	1000 mL
29506009	Sera-Xtracta™ Virus/Pathogen Kit	96 purifications
29514201	Sera-Xtracta™ Virus/Pathogen Kit	1000 purifications

Column-based		
Product code	Product name	Pack size
25050070	Amersham™ RNAspin Mini Kit	20 preps
25050071	Amersham™ RNAspin Mini Kit	50 preps
25050072	Amersham™ RNAspin Mini Kit	250 preps
25050075	RNAspin 96 Kit	4 × 96 preps

Column-based		
Product code	Product name	Pack size
17085401	NAP™-10 Columns	20 columns
17085402	NAP™-10 Columns	50 columns
17085201	NAP™-25 Columns	20 columns
17085202	NAP™-25 Columns	50 columns
17085501	Amersham™ NICK Columns	20 columns
17085502	Amersham™ NICK Columns	50 columns
25900598	AutoScreen A, 96-well plate	10 × 96 well plates
27534001	AutoSeq G-50 Columns	50 columns
27534002	AutoSeq G-50 Columns	250 columns
27534003	AutoSeq G-50 Columns	1000 columns
28903445	GFXTM 96 PCR Purification Kit	96 well plates
28903466	GFXTM PCR DNA and Gel Band Purification Kit	10 purifications
28903470	GFXTM PCR DNA and Gel Band Purification Kit	100 purifications
28903471	GFXTM PCR DNA and Gel Band Purification Kit	250 purifications
28903408	ProbeQuant™ G-50 Micro Columns	50 columns
17001001	Sephadex™ G-10	100 g
17001002	Sephadex™ G-10	500 g
17001003	Sephadex™ G-10	5 kg
17003201	Sephadex™ G-25 Fine	100 g
17003202	Sephadex™ G-25 Fine	500 g
17004202	Sephadex™ G-50 Fine	500 g
17004101	Sephadex™ G-50 Superfine	100 g
17005001	Sephadex™ G-75	100 g
17057402	Sephadex™ G-100 DNA Grade SF	100 g
17006101	Sephadex™ G-100 Superfine	100 g
17006001	Sephadex™ G-100	100 g

Enzymatic		
Product code	Product name	Pack size
29002088	ExoProStar™	20 reactions
29002090	ExoProStar™	100 reactions
29002091	ExoProStar™	500 reactions
29002092	ExoProStar™	2000 reactions
29002101	ExoProStar™	5000 reactions
29046321	ExoProStar™ S	20 reactions
29046322	ExoProStar™ S	100 reactions
29046324	ExoProStar™ S	500 reactions
29046325	ExoProStar™ S	2000 reactions
29046326	ExoProStar™ S	5000 reactions
29010358	ExoProStar™ 1-Step	20 reactions
29010361	ExoProStar™ 1-Step	100 reactions
29010363	ExoProStar™ 1-Step	500 reactions
29176221	ExoProStar™ 1-Step	2000 reactions
29010367	ExoProStar™ 1-Step	5000 reactions

Amplification and labelling

Strand displacement amplification

PCR amplification

Labelling

Product code	Product name	Pack size
25660022	GenomiPhi™ HY DNA Amplification Kit	25 reactions
25660020	GenomiPhi™ HY DNA Amplification Kit	100 reactions
25660025	GenomiPhi™ HY DNA Amplification Kit	1000 reactions
29013591	GenomiPhi™ HY Ready-To-Go™ DNA Amplification Kit	24 reactions
29013592	GenomiPhi™ HY Ready-To-Go™ DNA Amplification Kit	96 reactions
29013593	GenomiPhi™ HY Ready-To-Go™ DNA Amplification Kit	480 reactions
29108107	GenomiPhi™ Single Cell DNA Amplification Kit	25 reactions
29108039	GenomiPhi™ Single Cell DNA Amplification Kit	100 reactions
25660030	GenomiPhi™ V2 DNA Amplification Kit	25 reactions
25660031	GenomiPhi™ V2 DNA Amplification Kit	100 reactions
25660032	GenomiPhi™ V2 DNA Amplification Kit	500 reactions

Product code	Product name	Pack size
25150001	Amersham™ Hot Start Master Mix	100 reactions
28900653	Amersham™ Hot Start Mix Ready-To-Go™	96 reactions
28900646	Amersham™ Hot Start Mix Ready-To-Go™	100 reactions
28900654	Amersham™ Hot Start Mix Ready-To-Go™	480 reactions
27925901	Ready-To-Go™ RT-PCR Beads (0.2 mL Hinged Tube with Cap)	96 reactions
27926701	Ready-To-Go™ RT-PCR Beads (0.2 mL Tubes)	96 reactions
27926601	Ready-To-Go™ RT-PCR Beads (0.5 mL Tubes)	100 reactions
Amersham™ Solution dNTPs		
28406501	Amersham™ 2'-Deoxyadenosine 5'-Triphosphate Solution, 100 mM	25 µmol
28406502	Amersham™ 2'-Deoxyadenosine 5'-Triphosphate Solution, 100 mM	100 nmol
28406512	Amersham™ 2'-Deoxycytidine 5'-Triphosphate Solution, 100 mM	100 nmol
28406522	Amersham™ 2'-Deoxyguanosine 5'-Triphosphate Solution, 100 mM	100 nmol
28406532	Amersham™ 2'-Deoxythymidine 5'-Triphosphate Solution, 100 mM	100 nmol
28406541	Amersham™ 2'-Deoxyuridine 5'-Triphosphate Solution, 100 mM	25 µmol
28406542	Amersham™ 2'-Deoxyuridine 5'-Triphosphate Solution, 100 mM	100 nmol
28406557	Amersham™ DNA Polymerization Mix dNTP Set (20 mM each A,C,G,T)	10 mmol
28406558	Amersham™ dNTP Set (100 mM each A,C,G,T)	4 × 10 µmol
28406551	Amersham™ dNTP Set (100 mM each A,C,G,T)	4 × 25 µmol
28406552	Amersham™ dNTP Set (100 mM each A,C,G,T)	4 × 100 µmol
28406553	Amersham™ dNTP Set (100 mM each A,C,G,T)	4 × 500 µmol
28406564	Amersham™ PCR Nucleotide Mix dNTP Set (10 mM each A,C,G,T)	500 µmol
28406560	Amersham™ PCR Nucleotide Mix dNTP Set (25 mM each A,C,G,T)	500 µmol
High Purity Solution dNTPs		
27205101	2'-3'-Dideoxyadenosine 5'-Triphosphate, 100 mM solution (ddATP)	100 mM
27205101	2'-3'-Dideoxycytidine 5'-Triphosphate, 100 mM solution (ddCTP)	100 mM
27207101	2'-3'-Dideoxyguanosine 5'-Triphosphate, 100 mM solution (ddGTP)	100 mM
27208101	2'-3'-Dideoxythymidine 5'-Triphosphate, 100 mM solution (ddTTP)	100 mM
27204501	ddNTP Set, 5 mM solutions (ddATP, ddCTP, ddGTP, ddTTP)	5 mM

Product code	Product name	Pack size
Various	Amersham™ Solution dNTPs (see PCR amplification above)	Various
25801086	Cy™3-CTP	100 nmol
25800182	Cy™3-UTP	100 nmol
25005441	Cy™3-dCTP	25 nmol
25000709	Cy™3-dCTP	250 nmol
25005442	Cy™3-dUTP	25 nmol
25000705	Cy™3-dCTP	25 nmol
25801087	Cy™5-CTP	100 nmol
25800183	Cy™5-UTP	100 nmol
25005445	Cy™5-dCTP	25 nmol

Product code	Product name	Pack size
27186004	High Purity dNTPs	
27186004	2'-Deoxycytidine 5'-Triphosphate, sodium (dCTP)	250 mg
27185004	2'-Deoxyadenosine 5'-Triphosphate, disodium, crystalline (dATP)	250 mg
27188004	2'-Deoxythymidine 5'-Triphosphate, sodium (dTTP)	250 mg
27187004	2'-Deoxyguanosine 5'-Triphosphate, sodium (dGTP)	250 mg
High Purity rNTPs		
27205601	ATP, 100 mM solution	25 µmol
27205662	ATP, 100 mM solution	1000 µmol
27100603	ATP, disodium, crystalline	25 g
27206601	CTP, 100 mM solution	25 µmol
27206662	CTP, 100 mM solution	1000 µmol
27120004	CTP, sodium, crystalline	1 g
27207601	GTP, 100 mM solution	25 µmol
27207662	GTP, 100 mM solution	1000 µmol
27200004	GTP, sodium, crystalline	1 g
27202501	rNTP Set, 100 mM Solutions (ATP, CTP, GTP, UTP)	4 × 25 µmol
27208601	UTP, 100 mM solution	25 µmol
27208662	UTP, 100 mM solution	1000 µmol
27955901	PuReTaq™ PCR Beads in Ready-To-Go™ format (0.2 mL hinged tube with cap)	96 reactions
27955801	PuReTaq™ PCR Beads in Ready-To-Go™ format (0.5 mL Tubes)	100 reactions
27955701	PuReTaq™ PCR Beads in Ready-To-Go™ format (Multiwell Plate)	96 reactions
27955702	PuReTaq™ PCR Beads in Ready-To-Go™ format (Multiwell Plate)	5 × 96 reactions
27079804	Taq DNA Polymerase (cloned)	250 units
27079805	Taq DNA Polymerase (cloned)	4 × 250 units
27079806	Taq DNA Polymerase (cloned)	10 × 250 units
28937348	Taq DNA Polymerase (cloned)	25 000 units

Product code	Product name	Pack size
25005446	Cy™5-dUTP	25 nmol
25000708	Cy™5.5-dCTP	25 nmol
Various	High Purity Solution ddNTPs (see PCR amplification above)	Various
Various	High Purity dNTPs (see PCR amplification above)	Various
25190068	High Purity rNTPs (see PCR amplification above)	Various
27036101	Microarray Hybridization Solution v2.0	1 piece
27036101	Ready-To-Go™ T4 DNA Ligase	50 reactions
25800184	Value pack containing 5 × 25 nmol Cy™3-dCTP + 5 × 25 nmol Cy™5-dCTP	1 pack
25800185	Value pack containing 5 × 25 nmol Cy™3-dUTP + 5 × 25 nmol Cy™5-dUTP	1 pack

Customized solutions

Lyo-Stable™ stabilization technology

Custom conjugation

Custom biology

Contract manufacturing

Custom plates

Custom solutions for genomics

Whether creating a custom bead, a specialized enzyme, or a convenient kit for a repeated workflow, we will work with you to share progress and optimize outcomes. We are committed to providing a specialist service based on collaboration and responsiveness to add value, allowing you to focus on results.

cytiva.com/custom-genomic-services

Early questions and feasibility

Planning

Proof of principle trials

Our design process

Customized product release

Handover to manufacturing

Product lockdown