

Molecular Biology Research Essentials

Find products to support your research into vaccine development, virology, and other critical therapies.

Keep Your Science Moving Forward

More than ever it's important for you to have access to the products you need. You can feel confident that the Fisher Scientific channel is here to support your work and that we are dedicated to keeping science moving forward.

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Supplier and Other Trademarks:

Cytiva: Sera-Mag Select; Other: TaqMan

For trademark ownership, see [fishersci.com/trademarks](https://www.fishersci.com/trademarks).

Sample Preparation

Thermo Scientific KingFisher Duo Prime Purification System

Reap high yields of quality nucleic acids from a variety of starting materials with the Thermo Scientific KingFisher Duo Prime automated purification system.

Recommended for DNA and RNA isolation from various starting materials, proteomic applications, and cell isolation.



Cat. No	Alt. No	Description	Pack qty
15337317	5400110	KingFisher Duo Prime Purification System	Each

Applied Biosystems MagMAX Bead-Based Kits for Automated Nucleic Acid Purification

Discover MagMAX and Dynabead technology and the power of magnetic bead-based kits for nucleic acid purification. Purify high-quality nucleic acids from a variety of sample types. Save time and increase consistency by using with KingFisher instruments for automated sample purification.



Cat. No	Alt. No	Description	Pack qty
15864654	A36570	MagMAX DNA Multi-Sample Ultra 2.0 Kit	Each
15940533	A39060	MagMAX Saliva gDNA Isolation Kit	Each
15591290	A29319	MagMAX Cell-Free DNA Isolation Kit	Each
15654529	A31881	MagMAX FFPE DNA/RNA Ultra Kit	Each
XXXXXX	A42357	MagMAX Microbiome Ultra Nucleic Acid Isolation Kit, with bead plate	Each
XXXXXX	A42358	MagMAX Microbiome Ultra Nucleic Acid Isolation Kit, with bead tubes	Each
16346582	A42352	MagMAX Viral/Pathogen Nucleic Acid Isolation Kit	Each
16370022	A42356	MagMAX Viral/Pathogen Ultra Nucleic Acid Isolation Kit	Each
10190723	61011	Dynabeads mRNA DIRECT Purification Kit	Each

Invitrogen Qubit 4 Fluorometers and Starter Kits

The Invitrogen Qubit 4 Fluorometer is the next generation of benchtop analyser to measure DNA, RNA and protein. It also measures RNA integrity and quality, and has easy-to-use touchscreen menus and result displays.

- Sample size as small as 1 μ L
- More sensitive than UV absorbance-based quantification
- Quantifies DNA, RNA and protein in <3 seconds per sample
- Results reporting options include Wi-Fi, USB drive, or direct connection (USB cable)
- New integrated reagent calculator reports the amounts of dye and buffer needed



Cat. No	Alt. No	Description	Pack qty
15723679	Q33226	Invitrogen Qubit 4 (Fluorometer Only)	Each
15733679	Q33227	Invitrogen Qubit 4 Quantitation Starter Kit: Includes Qubit 4 Fluorometer, Assay Tubes; Qubit 1X dsDNA HS, dsDNA BR, RNA IQ, RNA HS, RNA XR; and Protein Assay Kits	Each
15743679	Q33228	Invitrogen Qubit 4 NGS Starter Kit: Includes Qubit 4 Fluorometer, Assay Tubes and Qubit 1X dsDNA HS Assay Kit	Each
15753679	Q33229	Invitrogen Qubit 4 RNA IQ Starter Kit: Includes Qubit 4 Fluorometer, Assay Tubes and Qubit RNA IQ Assay Kit	Each

The Implen™ NanoPhotometer™ Family: Best-in-Class Microvolume Spectrophotometers

Implen offers full spectrum scanning microvolume UV/VIS NanoPhotometer™ spectrophotometers for accurate, reliable, rapid and easy quantification and qualification of nucleic acids, proteins, bacterial cultures and more.

NanoPhotometer™ models for cuvette, drop and multi-drop applications for increased throughput are available.

Accuracy of the readings is crucial, therefore, the Implen NanoPhotometer™ uses patented Sample Compression Technology™ to provide precise results, especially for samples with low surface tension like proteins. Furthermore, due to the compression, evaporation does not affect measurement reproducibility as the sample is enclosed in a sealed environment. This makes the NanoPhotometer™ reliable over the entire concentration range and for low concentrations in particular.

The NanoPhotometer™ has one of the most modern and convenient user interfaces found anywhere in current laboratory equipment. One-click method access and an 'Auto Sample' function makes it easy, even for inexperienced users to operate the instruments without extensive training. Further features like blank and sample control, plus air-bubble recognition, provide warnings if contaminations or impurities within the sample have been detected - providing outstanding quality control for downstream applications like qPCR or NGS.

The NanoPhotometer™ has the smallest footprint in its class and the integrated touchscreen for stand-alone operation makes a connected computer obsolete, saving even more lab space.

Implen guarantees that no recalibration of the measurement head, reconditioning of the quartz pedestal or regular maintenance is required over the entire life time of a NanoPhotometer™ due to our patented True Path Technology™ which means no hidden after-purchase cost whatsoever.

- Full UV/VIS scan range 200nm to 900nm
- Measurement speed 1.7 to 4.0 seconds
- Sample number 1 to 12
- Sample volume 0.3µL to 2.0µL
- Concentration range 1 to 16500ng/µL dsDNA
- 21 CFR Part 11 compliant software (optional)
- Build-in vortex
- Integrated battery (optional)



Cat. No	Alt. No	Description	Pack qty
15795805	N50-Touch	Implen™ NanoPhotometer™ N50-Touch Micro-Volume UV-VIS Spectrophotometer	Each
15442203	N60-Touch	Implen™ NanoPhotometer™ N60 Micro-Volume UV-VIS Spectrophotometer	Each
15485824	NP80-Touch	Implen™ NanoPhotometer™ NP80 Nano-Volume and Cuvette UV-VIS Spectrophotometer	Each
16309021	N120-Touch	Implen™ NanoPhotometer™ N120 Multichannel Micro-Volume UV-VIS Spectrophotometer	Each

Invitrogen PureLink Column-Based DNA/RNA Purification

Invitrogen PureLink spin columns feature a unique silica membrane to produce high yields of sequencing-grade plasmid DNA. Cells are first lysed, then the lysate is applied to the PureLink column, which selectively binds plasmid DNA. Contaminants are removed with a wash, and the plasmid DNA eluted from the column can be used for further testing.

Kits with HiPure technology uses a patented anion-exchange chromatography resin composed of small, uniformly sized particles to produce high yields of very pure plasmid DNA.



Cat. No	Alt. No	Description	Pack qty
10553293	K210010	Invitrogen PureLink Quick Plasmid Miniprep Kit	50 Preps
10694823	K210011		250 Preps
10184912	K210014	Invitrogen PureLink HiPure Plasmid Filter Midiprep Kit	25 Preps
10402522	K210015		50 Preps
10043432	K210016	Invitrogen PureLink HiPure Plasmid Filter Maxiprep Kit	10 Preps
10522723	K210017		25 Preps
10013552	K210002	Invitrogen PureLink HiPure Plasmid Miniprep Kit	25 Preps
10083762	K210004	Invitrogen PureLink HiPure Plasmid Midiprep Kit	25 Preps
12809702	K210006	Invitrogen PureLink HiPure Plasmid Maxiprep Kit	10 Preps
15555730	K210008XP	Invitrogen PureLink HiPure Expi Plasmid Megaprep Kit	4 Preps
15565730	K210009XP	Invitrogen PureLink HiPure Expi Plasmid Gigaprep Kit	2 Preps
10013922	12-280-050	Invitrogen PureLink Viral DNA/RNA Mini Kit	50 Preps
12093825	12-280-096A	Invitrogen PureLink Pro 96 Viral RNA/DNA Purification Kit	96 Preps
10359103	12-183-020	Invitrogen PureLink RNA Mini Kits	10 Preps
10307963	12-183-018A		50 Preps
13355364	12-183-025		250 Preps

Chemicals and Reagents

Invitrogen TRIzol Reagents and Tubes

Isolate high-quality RNA, DNA and protein from human, animal, plant, yeast, or bacterial cell or tissue samples within an hour with Invitrogen TRIzol Reagents. Their RNase inhibition helps to maintain RNA integrity during sample homogenisation, so you can process many samples simultaneously. Or use TRIzol reagents to sequentially precipitate RNA, DNA and protein from a single sample.

Invitrogen Phasemaker tubes contain an inert polymer to separate and isolate the aqueous and organic phases of the TRIzol mix, making it easier to remove the phase containing the RNA and increasing your yield by up to 30%.



Cat. No	Alt. No	Description	Pack qty
12044977	15-596-026	TRIzol Reagent	100mL
11578616	10-296-010	TRIzol LS Reagent	100mL
15645268	A33248	Phasemaker Tubes, 2mL	100

Invitrogen RNase-Free Decontaminants, Reagents and Labware

- RNaseZAP decontamination solution and wipes help you remove RNase from your work environment to prevent contamination
- SUPERase•In and RNaseOUT inhibitors and RNA*later* solutions preserve sample quality
- RNase-free pipettor tips, microtubes and conical centrifuge tubes help keep your results true



Cat. No	Alt. No	Description	Pack qty
10708345	AM9780	Invitrogen RNaseZap RNase Decontamination Solution	250mL
10092824	AM9786	Invitrogen RNaseZap RNase Decontamination Wipes, Pop-Up Dispenser	100 Sheets
10085994	AM2694	Invitrogen SUPERase•In RNase Inhibitor	2500U/Pack
10154652	10-777-019	Invitrogen RNaseOUT Recombinant Ribonuclease Inhibitor	5000U/Pack
10564445	AM7020	Invitrogen RNA <i>later</i> Stabilization Solution	100mL
10584445	AM7030	Invitrogen RNA <i>later</i> -ICE Frozen Tissue Transition Solution	25mL
10515225	AM12648	Invitrogen Pipettor Tips, RNase-Free Barrier (Filter), 100µL	960
10499034	AM12300	Invitrogen Microfuge Tubes, RNase-Free, Graduated, 0.5mL	1000
10177444	AM12500	Invitrogen Conical Centrifuge Tubes, RNase-Free, PP, 15mL, Racked	500

Thermo Scientific GeneJET Plasmid Prep Kits

Thermo Scientific GeneJET Plasmid Prep Kits utilise an exclusive silica-based membrane technology in the form of a convenient spin column to recover high copy plasmid DNA. Choose, mini, midi, or maxi-prep kits.

- High yields of high-quality plasmid DNA
- Procedure takes less than 14 minutes
- Does not require a phenol/chloroform extraction or alcohol precipitation
- Purified DNA is ready for immediate use



Cat. No	Alt. No	Description	Pack qty
10242490	FERK0503	Thermo Scientific GeneJET Plasmid Miniprep Kit	250 Reactions
11531645	FERK0481	Thermo Scientific GeneJET Plasmid Midiprep Kit	25 Reactions
11541645	FERK0482	Thermo Scientific GeneJET Plasmid Midiprep Kit	100 Reactions
11551645	FERK0491	Thermo Scientific GeneJET Plasmid Maxiprep Kit	10 Reactions
11561645	FERK0492	Thermo Scientific GeneJET Plasmid Maxiprep Kit	25 Reactions

PCR

Elevate Your PCR!

Which PCR instrument fits your needs?

Applied Biosystems Thermal Cyclers offer precise and consistent results with options for every challenge, application and budget. These products are built on a reputation of reliability, accuracy and ease of use.

When you need:	High flexibility and throughput	Simplicity and precision	Proven reliability and precise PCR optimisation	Routine PCR, elevated	Routine PCR	Easy robotic integration
We recommend:	ProFlex PCR System	SimpliAmp Thermal Cycler	Veriti Thermal Cycler ¹	MiniAmp Plus Thermal Cycler	MiniAmp Thermal Cycler	Automated Thermal Cycler
Cat. No	15147105	15224438	12353653	15866152	15856152	15930443



Max. sample throughput	96 reactions	96 reactions	384 reactions	96 reactions	96 reactions	384 reactions
Max. block ramp rate	6°C/sec	4°C/sec	5°C/sec	3.5°C/sec	3°C/sec	3.5°C/sec
Block formats (temperature optimisation)	<ul style="list-style-type: none"> • Triple 32-well² • 96-well³ • Dual 96-well • Dual flat block • Dual 384-well 	<ul style="list-style-type: none"> • 96-well⁴ 	<ul style="list-style-type: none"> • 96-well³ • Fast 96-well • 384-well • 60-well 	<ul style="list-style-type: none"> • 96-well⁴ 	<ul style="list-style-type: none"> • 96-well 	<ul style="list-style-type: none"> • 96-well⁵ • 384-well

¹ Also available as an FDA Class 1/CE-IVD labelled device.

² Two-zone VeriFlex Block

³ Six-zone VeriFlex Block

⁴ Three-zone VeriFlex Block

⁵ Compatible with semi-skirted or full-skirted plates.



= cloud-enabled instrument

Find Your Best-Fit PCR Plastics



Find the Applied Biosystems PCR plastics with the format and features that best fit your thermal cycler model and application.

Cat. No	Alt. No	Description	3 x 32-Well		96-Well		96-Well Fast		384-Well		Genetic analysers	
			ProFlex		ProFlex, SimpliAmp, Veriti, MiniAmp Plus, MiniAmp	2720 Cycler GeneAmp 9700			Veriti	ProFlex, Veriti	GeneAmp 9700	310 Cycler
96-Well (0.2mL) Reaction Plates												
10411785, 10045754	N8010560, 43-168-13	Optical Plates			•	•	•					•
10407314, 10585867	43-067-37, 43-266-59	Optical Plates with Barcode			•	•	•					•
11557045	40-301-2	Plates with Barcode & Optical Caps			•	•	•					
10311515	43-143-20	Optical Plates with Barcode & Optical Adhesive Films			•	•	•					
15273005, 15263005	44-833-54, 44-833-52	EnduraPlate Optical Clear Plates with Barcode*			•	•	•					•
A32810, 15835066	A32810, A32811	TriFlex 3 x 32-Well Reaction Plates	•**		•	•	•					
96-Well (0.1mL) Reaction Plates												
10670986	43-469-07	Fast Optical Plates						•				•
12142000, 10310855	43-469-06, 43-669-32	Fast Optical Plates with Barcode, 0.1mL						•				•
15206343, 15253015	44-834-85, 44-834-94	EnduraPlate Optical Clear Plates with Barcode*						•				•
384-Well Reaction Plates												
10659845	43-433-70	Optical Plates							•	•		•
10005724, 10209594, 10505035	43-098-49, 43-262-70, 43-438-14	Optical Plates with Barcode							•	•		•
15262995, 15252995	44-832-85, 44-832-73	EnduraPlate Optical Clear Plates with Barcode*							•	•		•
Strip Tubes and Caps												
10147974	43-582-93	Fast 8-Tube Strips, 0.1mL						•				
15527575	A30588	Optical 8-Tube Strip with Attached Optical Caps, 0.2mL	•		•	•	•					
15505219	A30589	8-Tube Strip with Attached Domed Caps, 0.2mL	•		•	•	•					
10733087	N8010580	8-Tube Strips, 0.2mL*	•		•	•	•					•
10321515	43-165-67	Optical 8-Tube Strips, 0.2mL	•		•	•	•					
10209104, 10299624	N8010535, N8011535	8-Cap Strips*	•		•	•	•	•				
10630806	43-230-32	Optical 8-Cap Strips	•		•	•	•	•				
10498444, 10573122	N8010534, N8011534	12-Cap Strips*			•	•	•	•				
Single Tubes												
10340905, 10147974	43-582-97, 43-582-93	Fast Reaction Tubes with Cap, 0.1mL						•				
10045814, 10669845, 10249594	N8010540, N8010612, N8011540	Reaction Tubes with Cap, 0.2mL*	•		•	•	•					
10279254, 10631386	N8010533, N8011533	Reaction Tubes without Cap, 0.2mL*	•		•	•	•					
10128024	N8010933	Optical Tubes without Cap, 0.2mL	•		•	•	•					
Seals and Covers												
10595025	43-063-11	Clear Adhesive Film			•	•	•	•	•	•		
10567414, 10299204	43-609-54, 43-119-71	Optical Adhesive Film			•	•	•	•	•	•		
10732897	N8010550	Full 96-Well Plate Covers				•	•					
15845066	A32812	Clear 32-Well Plate Adhesive Film	•**		•	•	•					
Accessories												
10659655	43-120-63	Splash-Free 96-Well Base			•	•	•	•				
10157444	43-795-90	96-Well Support Base			•	•	•	•				•
10229594	N8010531	96-Well Base			•	•	•					
10620616, 10016104	40-308-3, 40-308-6	96-Well Reaction Tube/Tray/Retainer Set, 0.2mL				•	•					

* Multiple colours are available.

** Do not use MicroAmp 3 x 32-Well Retainer.

Note: If you are using only one or two 8-tube strips/caps, add empty tube strips to balance the pressure of the lid against block, or use the MicroAmp 96-Well Tray/Retainer Set (Cat. No 10764617) for the bottom part of the tray only.

For use with 96-well block of Applied Biosystems ProFlex, SimpliAmp and Veriti, MiniAmp Plus and MiniAmp Thermal Cyclers.

Invitrogen Platinum SuperFi DNA Polymerase

Ultimate accuracy and robustness

High-fidelity Invitrogen Platinum SuperFi DNA Polymerase is ideal for cloning, mutagenesis, long PCR, and other applications that benefit from superior sequence accuracy.

- Exceptional fidelity — over 100x more accurate than *Taq* polymerase
- Robust and versatile — ideal for difficult targets (long amplicons, suboptimal purity, GC-rich amplicons)
- Platinum hot-start technology — provides superior specificity, sensitivity and yields with room-temperature setup

Visit thermofisher.com/platinumsuperfi to learn more.



Cat. No	Alt. No	Description	Pack qty
15525033	12-351-010	Platinum SuperFi DNA Polymerase	100 Units
15585033	12-357-010	Platinum SuperFi Green DNA Polymerase	100 Units
15525043	12-358-010	Platinum SuperFi PCR Master Mix	100 Reactions
15565043	12-359-010	Platinum SuperFi Green PCR Master Mix	100 Reactions

Invitrogen *Taq* PCR Enzymes for Standard PCR Applications

Great for genotyping, colony PCR and routine PCR applications.

Isolated from the thermophilic bacterium *Thermus aquaticus*, *Taq* DNA polymerase is one of the best-known thermostable DNA polymerases used in PCR amplification of DNA targets.



Cat. No	Alt. No	Description	Pack qty
10033382	10-342-020	<i>Taq</i> DNA Polymerase, Recombinant	500 Units
10174512	18-038-042	<i>Taq</i> DNA Polymerase, Native	500 Units

Invitrogen Platinum II Hot Start DNA Polymerase

Faster, easier PCR

Invitrogen Platinum II *Taq* Hot-Start DNA Polymerase is designed for universal primer annealing and fast, easy PCR. It offers a unique combination of innovative buffer, high-performance *Taq*, and leading Hot-Start technology.

- Engineered *Taq* — confers fast cycling and resistance to common inhibitors
- Innovative buffer — enables universal primer annealing protocol by isostabilising primer-template duplex structures
- Platinum Hot-Start technology — enables superior specificity, sensitivity, and yields, plus room temperature setup



Cat. No	Alt. No	Description	Pack qty
15825066	14-966-001	Platinum II <i>Taq</i> Hot-Start DNA Polymerase	100 Reactions
15889844	14-000-012	Platinum II Hot-Start PCR Master Mix (2X)	50 Reactions
15815066	14-001-012	Platinum II Hot-Start Green PCR Master Mix (2X)	50 Reactions

Reverse Transcription

Invitrogen SuperScript IV Reverse Transcriptase

Designed to deliver superior performance with the most challenging samples, Invitrogen SuperScript IV Reverse Transcriptases are engineered to provide higher performance than other RT enzymes.

- Super-efficient — up to 100x higher cDNA yields than with other RT enzymes
- Super-sensitive — transcribes from degraded or inhibitor-containing RNA or low-input amounts
- Super-robust — high thermostability and processivity
- Super-fast — 10-minute cDNA synthesis protocols

Use the selection guide below to find the best SuperScript IV format for your research needs.

Product Type	Stand-Alone Enzyme	First-Strand cDNA Synthesis Kit	One-Step RT-PCR Kit
Recommended Product	SuperScript IV Reverse Transcriptase	SuperScript IV First-Strand Synthesis System	SuperScript IV One-Step RT-PCR System
Applications	RT-PCR, RT-qPCR, sequence detection, gene expression analysis, transcript variant detection, cloning, cDNA library construction, RACE, RNA-Seq	RT-PCR, RT-qPCR, sequence detection, gene expression analysis, transcript variant detection, cloning, cDNA library construction, RACE, RNA-Seq	RT-PCR, sequence detection, cloning, genotyping, high-throughput analysis
Input Total RNA	1pg to 5µg	1pg to 5µg	0.01pg to 1µg
Optimal Reaction Temperature	50° to 55°C	50° to 55°C	50° to 55°C
Reaction Time	10 minutes	10 minutes	10 minutes
cDNA Synthesis with Challenging or Degraded DNA	Yes	Yes	Yes

Cat. No	Alt. No	Description	Pack qty
15387686	18-090-010	SuperScript IV Reverse Transcriptase	2000 Units
15307696	18-090-050		10000 Units
15317696	18-090-200		4 x 10000 Units
15327696	18-091-050	SuperScript IV First-Strand Synthesis System	50 Reactions
15337696	18-091-200		200 Reactions
15814182	12-594-025	SuperScript IV One-Step RT PCR System	25 Reactions
15781999	12-594-100		100 Reactions
15895891	12-595-025	SuperScript IV One-Step RT PCR Systems with ezDNase Enzyme	50 Reactions
15850233	12-595-100		500 Reactions

Find the essentials you need for reliable PCR.

Oligonucleotides

Custom DNA Oligos offer the flexibility and affordability you need for successful PCR. Take advantage of more than 20 years of customer service experience and use the simple primer design interface to create your oligos.

- Purity options include desalted, cartridge, HPLC and PAGE
- Scale includes 25, 50 and 200nmol; 1 and 10µmol
- Affordable pricing

Visit eu.fishersci.com/oligos to order now.



PCR Clean-Up

New Cytiva Sera-Mag Select

Available exclusively through the Fisher Scientific channel.

Sera-Mag Select PCR Clean-Up and Size Selection Reagent is a ready-to-use formulation that combines the binding characteristics of Sera-Mag Carboxyl Speedbeads with an optimised binding solution.

Adjust the amount of reagent to tailor the size of the isolated DNA to produce fragments for use with next-generation sequencing (NGS) and PCR clean-up.



Cat. No	Alt. No	Description	Pack qty
16407655	29-343-045	Sera-Mag Select	5mL
16417655	29-343-052	Sera-Mag Select	60mL
16427655	29-343-057	Sera-Mag Select	450mL

New Cytiva SeraSil-Mag Silica Coated Superparamagnetic Beads

Available exclusively through the Fisher Scientific channel.

SeraSil-Mag Silica Beads provide an optimal surface for nucleic acid binding with high performance and low background to produce high-purity DNA extractions for NGS procedures. Use for chaotropic salt chemistry and vortex mixing, roller mixing and sonication applications.



Cat. No	Alt. No	Description	Pack qty
16437655	29-357-369	SeraSil-Mag Beads, 400nm	5mL
16447655	29-357-371	SeraSil-Mag Beads, 400nm	60mL
16457655	29-357-373	SeraSil-Mag Beads, 700nm	5mL
16467655	29-357-374	SeraSil-Mag Beads, 700nm	60mL

Applied Biosystems ExoSAP-IT Express PCR Product Clean-Up Reagent

ExoSAP-IT *Express* PCR Product Clean-Up Reagent removes excess primers and unincorporated nucleotides from your PCR reactions. This enzymatic clean-up method offers precision, increased yield, and a faster turnaround time than spin columns, beads, or other purification methods.



Cat. No	Alt. No	Description	No. of Reactions	Pack qty
15563677	75-001-200UL		100	200µL
15533677	75-001-1EA		480	8-Tube Strip
15543677	75-001-1ML	ExoSAP-IT™ Express PCR Product Cleanup Reagent	500	1mL
15573677	75-001-4X1ML		2000	4 x 1mL
15553677	75-001-10ML		5000	10mL

Applied Biosystems PCR Pre-Sequencing Kit

The PCR Product Pre-Sequencing Kit uses a novel, enzymatic method to pre-treat PCR products prior to sequencing, without any subsequent purification or separation steps.



Cat. No	Alt. No	Description	Pack qty
15647748	70-996-1KT	Pre-Sequencing Kit	500 Reactions

qPCR

Real-Time PCR (qPCR) Instruments

With trusted Applied Biosystems Real-Time PCR Systems, you'll find everything you need to achieve qPCR success.

Applied Biosystems QuantStudio Real-Time PCR Instruments

Take your work to the next level

The Applied Biosystems QuantStudio Real-Time PCR portfolio offers solutions for everyone. Whether you're looking for versatility on a budget, reliable results from limited samples, high throughput for maximum productivity, or absolute answers that take your work to the next level, there's a QuantStudio System that's right for your research.

Visit eu.fishersci.com/quantstudio to learn more.



Cat. No	Alt. No	Cat. No	Alt. No	Cat. No	Alt. No	Description
96-Well 0.1mL Block		96-Well 0.2mL Block		384-Well Block		
15711228	A28136	15791248	A28137	N/A	N/A	QuantStudio 3 qPCR System
15781228	A28138	15711248	A28139	15751268	A28140	QuantStudio 5 qPCR System
96-Well Block		384-Well Block		TaqMan Array Card		
15761168	44-856-99	15791188	44-856-91	N/A	N/A	QuantStudio 6 qPCR System
15711178	44-856-90	15731178	44-857-01	15751178	44-856-96	QuantStudio 7 qPCR System
XXXXXXXX	44-710-87	15701188	44-711-34	XXXXXXXX	44-710-89	QuantStudio 12K qPCR System
XXXXXXXX	44-890-84	N/A	N/A	N/A	N/A	QuantStudio 3D Digital PCR System

qPCR Reagents

Applied Biosystems PowerUp SYBR Green Master Mixes

Applied Biosystems PowerUp SYBR Green Master Mix is a pre-formulated, optimised, universal 2X master mix for real-time PCR workflows. Coupled with user-supplied primer sets and templates, PowerUp SYBR Green Master Mix is designed to amplify targets for accurate gene expression analysis.

Features include:

- A dual Hot-Start mechanism for excellent specificity
- Highly reproducible Ct results over a broad dynamic range
- Formulated with UNG/dUTP to prevent contamination of carryover
- Stable at room temperature for 72 hours after plates are prepared



Cat. No	Alt. No	Description	Pack qty
15320929	A25741	PowerUp SYBR Green Master Mix	1mL
15350929	A25742	PowerUp SYBR Green Master Mix	5mL
15360929	A25743	PowerUp SYBR Green Master Mix	50mL
15380929	A25776	PowerUp SYBR Green Master Mix	2 x 5mL
15390929	A25777	PowerUp SYBR Green Master Mix	5 x 5mL
15310939	A25778	PowerUp SYBR Green Master Mix	10 x 5mL
15366158	A25779	PowerUp SYBR Green Master Mix	2 x 1mL
15330939	A25780	PowerUp SYBR Green Master Mix	5 x 1mL
15340939	A25918	PowerUp SYBR Green Master Mix	10 x 1mL

Applied Biosystems TaqMan Fast Advanced Master Mix

Applied Biosystems TaqMan Fast Advanced Master Mix delivers shorter run times (<40 minutes) while maintaining superior sensitivity, accuracy and linear dynamic range.

Features include:

- Stable at room temperature for 72 hours after plates are prepared
- Optimised for gene expression analysis in single and multiplex reactions
- Reduced run times (<40 minutes) in fast mode
- Validated for use with TaqMan Gene Expression Assays and TaqMan Array Plates (see next page)



Cat. No	Alt. No	Description	Pack qty
12634225	44-449-63	TaqMan Fast Advanced Master Mix	2 x 5mL
13438456	44-449-64	TaqMan Fast Advanced Master Mix	5 x 5mL

qPCR Assay and Array Solutions

All-inclusive predesigned assays and preconfigured arrays that deliver outstanding results.

TaqMan Gene Expression Predesigned Assays

Applied Biosystems TaqMan Assays are sensitive, specific, and easy to use. Each assay includes your target primers and a sequence-specific probe optimised for the best functional assay performance. No additional design, optimisation, or melt analysis is needed.

Ordering TaqMan Assays Online

If you are placing the order yourself, click the add to cart button and check out.

If you are not placing the order yourself, two pieces of information are required to order:

1. Catalogue number
2. Assay ID

The catalogue number only defines configuration (e.g., assay type, size, dye) and does not define the primer/probe sequences.

The assay ID is a unique, alphanumeric string that identifies the specific primer and probe set.

Visit eu.fishersci.com/taqmanassays to learn more.



Electrophoresis

Fisherbrand Horizontal Electrophoresis Systems

Choose from multiple formats:

- Minigel System
 - For quick screening
 - Run up to 16 samples with supplied combs or up to 24 samples with accessory combs
- Minigel Systems
 - Buffer recirculation option prevents ionic depletion on long runs, keeps ionic gradients stable, and prevents pH changes
 - Run up to 32 samples with combs supplied or up to 48 samples with accessory combs
- Large Gel Systems
 - Improve northern and Southern blot resolution
 - Buffer recirculation option prevents ionic depletion on long runs, keeps ionic gradients stable, and prevents pH changes
 - Run up to 36 samples with supplied combs
- Wide-Format System
 - Run 25 to 250 samples simultaneously on one gel
 - Produces clear, tight banding patterns with no “smiling”
 - Use with microwell-format combs (included) and load samples directly from a 96-well plate



Cat. No	Alt. No	Description	Pack qty
FB-SB-710	FB-SB-710		
11863303	FB-SB-1316	Fisherbrand™ MultiSUB Mini Horizontal Gel System	Each
11843303	FB-SBR-1316	Fisherbrand™ Maxi Horizontal Gel System	Each
FB-SBR-2025	FB-SBR-2025		
FB-SB-2025	FB-SB-2025		
11563382	FBSB2318	Fisherbrand™ Horizontal Wide Format Midi-Plus Gel Unit	Each

Invitrogen E-Gel Power Snap Electrophoresis System

Simplify your DNA electrophoresis with an integrated gel running and imaging platform.

The Invitrogen E-Gel Power Snap Electrophoresis System combines rapid, real-time nucleic acid analysis with high resolution image capture.

- From sample loading to image capture in as little as 15 minutes
- Intuitive user interface with large touchscreen and integrated operating system
- Minimise hazardous chemical handling with Invitrogen E-Gel precast gel cassettes



Cat. No	Alt. No	Description	Pack qty
15716558	G8141ST	Power Snap Electrophoresis Device Starter Kit, EX 1%	1 Kit
15736558	G8151ST	Power Snap Electrophoresis Device Starter Kit, SYBR Safe 1.2%	1 Kit
15746558	G8152ST	Power Snap Electrophoresis Device Starter Kit, SYBR Safe 2%	1 Kit
15766558	G8168ST	Power Snap Electrophoresis Device Starter Kit, CloneWell	1 Kit
15756558	G8162ST	Power Snap Electrophoresis Device Starter Kit, SizeSelect	1 Kit
15796558	G8342ST	Power Snap Electrophoresis System Starter Kit, EX 2%	1 Kit
15706568	G8351ST	Power Snap Electrophoresis System Starter Kit, SYBR Safe, 1.2%	1 Kit
15716568	G8352ST	Power Snap Electrophoresis System Starter Kit, SYBR Safe, 2%	1 Kit

Fisher Bioreagents for Electrophoresis

Cat. No	Alt. No	Description	Pack qty
10562595	BP170100		100g
10235203	BP170500	Acrylamide	500g
10502605	BP1705		5kg
10766834	BP160100	Agarose, Molecular Biology	100g
10366603	BP160500		500g
10688973	BP1356100	Agarose, Genetic Analysis	100g
10776644	BP1356500		500g
10467963	BP381500		500g
10061073	BP3811	Glycine	1kg
10754724	BP3815		5kg
10103203	BP152500		500g
10376743	BP1521		1kg
10724344	BP1525	Tris Base	5kg
10667243	BP15210		10kg
10336793	BP15225		25kg

Transfection

Gibco Expi293 Met (-) Protein Labelling Kit

Kit components are specifically formulated without methionine, allowing users to add a labelled methionine of their choice.

- Methionine-free medium and transfection enhancer formulations
- Two to ten-fold higher protein yields compared to other transfection reagents used for high-density 293 cell culture
- Same transient transfection protocol as ExpiFectamine 293 Transfection Kit
- Scalable transfection from small to large-scale while maintaining equivalent volumetric protein yields
- Specifically designed to easily integrate with other components of the Expi293 Expression System, including Expi293F cells and Expi293 Expression Medium

Visit eu.fishersci.com/transfection to view more transfection products.



Cat. No	Alt. No	Description	Pack qty
XXXXXXXX	A41249	Expi293™ Met (-) Protein Labelling Kit	1 Kit

Other Essential Instruments, Reagents and Consumables

Fisher Bioreagents, Chemicals and Solutions

Use these reagents and chemicals with confidence for your molecular biology procedures. Tested for contaminants that could interfere with your assays, they are available in a range of sizes for your convenience.

Cat. No	Alt. No	Description	Pack qty
10163383	BP11051	Methanol, Sequencing	1L
10785484	BP11054		4L
10428733	BP11704	Acetonitrile, DNA Synthesis	4L
10103483	BP231100		100mL
10499683	BP2311	Dimethyl Sulfoxide (DMSO)	1L
11463883	BP2314		4L

Centrifugation

Thermo Scientific mySPIN 6 Mini Centrifuge

The compact mySPIN 6 Mini Centrifuge offers maximum speed and flexibility in a minimised footprint. It is ideal for microfilter cell separations and HPLC samples. Plus, it includes two rotors to accommodate 0.2, 0.5, 1.5 and 2mL microtubes and PCR strip tubes.

Cat. No	Alt. No	Description	Pack qty
15334204	75-004-061	mySPIN 6 Mini Centrifuge	Each



Thermo Scientific mySPIN 12 Mini Centrifuge

Bring increased efficiency and user comfort to your lab with the mySPIN 12 Mini Centrifuge. It is ideal for microfilter cell separation, HPLC protocols, and PCR, clinical and diagnostic applications that require higher speeds.

Cat. No	Alt. No	Description	Pack qty
15344204	75-004-081	mySPIN 12 Mini Centrifuge	Each



Thermo Scientific Digital Vortex Mixers

Mix samples accurately and efficiently at your desired speed from 0 to 3000rpm. Features continuous and touch modes with precise speed control and quick set-up. Digital display shows speed and time.



Cat. No	Alt. No	Description	Pack qty
XXXXXXXX	11-676-684	Digital Vortex Mixer 0 to 3000rpm	Each

Plate Sealer and Film

Thermo Scientific ALPS5000 Automated Plate Heat Sealer

The next generation in plate sealing equipment, the ALPS5000 offers fast sealing times, increased process customisation, and all-electric operation for reduced noise and improved reliability.



Cat. No	Alt. No	Description	Pack qty
16687862	AB5000	ALPS5000 Plate Sealer	Each

Thermo Scientific Clear Seal Diamond Heat Sealing Film

Ideal for fluorescence and colorimetric applications, use this clear polymer heat seal for PCR in screw-down or clip-down heated lid thermal cyclers and for qPCR when optical clarity matters. Seal integrity range is -80°C to +120°C.



Cat. No	Alt. No	Description	Pack qty
11982361	AB-3799	Roll, 78mm x 370m	1 Roll
11540314	AB-0812	Sheets, 85mm x 135mm	100 Sheets



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