

••• Inspiring Innovation ◦◦◦

Advance Your

# Gene Discovery and Analysis

 **fisher scientific**  
part of Thermo Fisher Scientific

The development of new cell and gene technologies holds exciting possibilities for biotechnology research and production. Look to the **Fisher Scientific channel** to help power your next discovery. We offer industry-leading products and services to support and accelerate your workflows **every step of the way.**

Whether you need reagents to perform sample cleanup and isolation, master mixes for qPCR, or instruments for genetic analysis, we offer single-source convenience that lets you focus on your science, along with life sciences specialists to help you select products that meet your **exact requirements.**

Visit [fishersci.ca/genomics-research](https://fishersci.ca/genomics-research) to learn more.

## Sample Preparation and Isolation

Find products to help create lysates and extract, protect, and separate nucleic acids from other materials.

### Magnetic Beads

Description	Quantity	Cat. No.
Cytiva Sera-Mag Carboxylate Modified Magnetic Bead Suspension	100 mL	<b>09-981-116</b>
Cytiva Sera-Mag Streptavidin Magnetic Beads	5 mL	<b>09-981-133</b>



### DNA Extraction Kits

Description	Quantity	Cat. No.
Cytiva™ Sera-Xtracta™ HMW DNA Kit	96 Preparations	<b>09-920-067</b>
Invitrogen™ Dynabeads™ DNA DIRECT™ Universal Kit	300 Preparations	<b>63-006</b>
Invitrogen™ Dynabeads™ kilobaseBINDER™ Kit	200 Preparations	<b>60-101</b>
Invitrogen Dynabeads SILANE Genomic DNA Kit	96 Preparations	<b>37-012-D</b>
Cytiva™ Sera-Mag™ Select Reagent	60 mL	<b>09-928-107</b>

### Purification Systems

Description	Sample Volume	Quantity	Cat. No.
Thermo Scientific™ KingFisher™ Apex Purification System	10 to 80 µL	Each	<b>54-009-10</b>
Thermo Scientific™ KingFisher™ Flex Purification System with 96 DeepWell™ Head	50 to 1,000 µL	Each	<b>50-152-7924</b>

# Gene Expression

Shop reagents, kits, assays, and more to support a variety of gene expression techniques and processes.

## Reagents

Description	Quantity	Cat. No.
Invitrogen™ SuperScript™ IV UniPrime One-Step RT-PCR System	100 x 50 µL	<b>12-597-100</b>



## Synthesis Kits

Description	Quantity	Cat. No.
Invitrogen™ SuperScript™ IV CellsDirect™ cDNA Synthesis Kit	50 Reactions 500 Reactions	<b>11-750-150</b> <b>11-750-350</b>

## Starter Kits

Description	Quantity	Cat. No.
Applied Biosystems™ QuantStudio™ Absolute Q™ Digital PCR Starter Kit	Each	<b>A52732</b>

## dPCR Assays

Description	Quantity	Cat. No.
Applied Biosystems™ Absolute Q™ Liquid Biopsy dPCR Assay: JAK2 12600	700 Reactions	<b>A52746</b>
Absolute Q Liquid Biopsy dPCR Assay: TP53 10660	700 Reactions	<b>A52767</b>
Absolute Q Liquid Biopsy dPCR Assay: NRAS 580	700 Reactions	<b>A52771</b>
Absolute Q Liquid Biopsy dPCR Assay: EGFR 12382	700 Reactions	<b>A52777</b>
Absolute Q Liquid Biopsy dPCR Assay: KRAS 19900	700 Reactions	<b>A52781</b>

## Master Mixes

Description	Quantity	Cat. No.
Applied Biosystems Absolute Q MAP16 Plate Kit and 1-Step RT-dPCR Master Mix	192 Reactions	<b>A55165</b>
Applied Biosystems Absolute Q 1-Step RT-dPCR (4X) Master Mix	200 Reactions	<b>A55146</b>
Applied Biosystems™ PowerTrack™ SYBR Green Master Mix for qPCR	500 Reactions	<b>A46109</b>
Applied Biosystems™ TaqMan™ Fast Advanced Master Mix for qPCR	500 Reactions	<b>44-445-57</b>

# Sequencing

From digital PCR instruments to genetic analyzers and beyond, pursue new insights with a selection of innovative equipment, instruments, and consumables.

## Equipment and Instruments

### Fluorometer Kits

Description	Sample Volume	Quantity	Cat. No.
Invitrogen™ Qubit™ 4 Starter Package with Wi-Fi Fluorometer Kit	1 to 20 µL	Each	<b>Q33240</b>

### Digital PCR Instruments

Description	Quantity	Cat. No.
Applied Biosystems QuantStudio Absolute Q Digital PCR System, Desktop	Each	<b>A52864</b>
Applied Biosystems QuantStudio Absolute Q Digital PCR System*	Each	<b>A53267</b>

## Genetic Analyzers

Description	Electrical Requirements	Quantity	Cat. No.
Applied Biosystems™ SeqStudio™ 8 Flex Genetic Analyzer	100/240 V	Each	<b>A53627</b>
Applied Biosystems SeqStudio 24 Flex Genetic Analyzer	100/240 V	Each	<b>A53630</b>
Applied Biosystems SeqStudio 24Flex Genetic Analyzer, Laptop*	100/240 V	Each	<b>A53794</b>
Applied Biosystems SeqStudio 8 Flex Genetic Analyzer, Laptop*	100/240 V	Each	<b>A53791</b>



\*Includes Applied Biosystems™ SmartStart™ Orientation and one-year extended warranty with planned maintenance.

## Sequencing Consumables

### Genetic Analyzer Standards and Kits

Description	For	Quantity	Cat. No.
Applied Biosystems™ Sequencing Standard, BigDye™ Terminator V1.1, 4 Tubes/Kit	3500/SeqStudio Flex	Each	<b>44-043-14</b>
Applied Biosystems Matrix Standards Kit, BigDye Terminator V1.1, 2 Tubes/Kit	31XX/3500 SeqStudio and SeqStudio Flex	Each	<b>43-368-24</b>
Applied Biosystems Matrix Standards Kit, BigDye Terminator V3.1, 2 Tubes/Kit	31XX/3500 SeqStudio and SeqStudio Flex	Each	<b>43-369-74</b>
Applied Biosystems Anode Buffer Container	3500/SeqStudio Flex	Each	<b>43-939-27</b>

### Digital PCR Kits

Description	Plates	Quantity	Cat. No.
QuantStudio Absolute Q MAP16 Plate Kit, Includes MAP16 Plates, Gaskets, and Absolute Q Isolation Buffer (Cat. No. A52730)	12/Kit	Each	<b>A52865</b>

## dsDNA Assay Kits

Description	Sample Volume	Quantity	Cat. No.
Invitrogen Qubit dsDNA Quantification Assay Kits	4 to 2,000 ng	100 Reactions	<b>Q32850</b>
	4 to 2,000 ng	500 Reactions	<b>Q32853</b>
Invitrogen Qubit dsDNA Quantification Assay Kits	0.1 to 120 ng	100 Reactions	<b>Q32851</b>
	0.1 to 120 ng	500 Reactions	<b>Q32854</b>

# Research Essentials

Stay equipped with supplies that can help optimize each of your workflow steps.

### Sample Storage

Description	Includes	Quantity	Cat. No.
Thermo Scientific™ Matrix™ Sample Storage Premium Starter Pack	Tubes Decapper Barcode Reader	Each	<b>01-817-102</b>
Thermo Scientific Matrix Sample Storage Basic Starter Pack	Tubes Decapper	Each	<b>01-817-105</b>



### Gel Electrophoresis Reagents

Description	Quantity	Cat. No.
Fisher Bioreagents™ Agarose, DNA/RNA/Genetic Analysis Grade, Broad Separation Range	100 g	<a href="#">BP1356-100</a>
Thermo Scientific Acrylamide/Bisacrylamide (29:1), Powder	100 g	<a href="#">AAJ6082422</a>

### 96-Well Storage Microplates

Description	Volume	Quantity	Cat. No.
Thermo Scientific™ Abgene™ DeepWell™ Sample Processing and Storage Plate, Polypropylene	800 µL	50/Case	<a href="#">AB-0859</a>
Fisherbrand™ DeepWell™ Microplates, Polypropylene	2,000 µL	50/Case	<a href="#">12-566-120</a>

### Electrophoresis Equipment

Description	Volume	Quantity	Cat. No.
Invitrogen™ E-Gel™ Power Snap Electrophoresis System Starter Kit	<ul style="list-style-type: none"> <li>• 10 E-Gel EX Agarose Gels, 2% (Cat. No. G401002)</li> <li>• E-Gel Power Snap Electrophoresis System (Cat. No. G8300)</li> <li>• E-Gel 50 bp DNA Ladder with E-Gel Sample Loading Buffer (1X) (Cat. No. 10-488-099)</li> <li>• Gel Opening Knife (Cat. No. EI9010)</li> </ul>	Each	<a href="#">G8342ST</a>

## Related Resources and Applications

Explore these resources and applications for products and information that will simplify your workflows and drive your discoveries.

### QuantStudio Real-Time PCR & Digital PCR Systems

Learn about platforms that meet your specific needs. [fishersci.ca/quantstudio](#)

### Molecular Biology Methods

View products for isolation and purification, labeling, detection, and more. [fishersci.ca/molecular-biology](#)

### Production Products and Services

Rely on a trusted source for supply assurance and service expertise. [fishersci.ca/production](#)

### Contamination Control and Controlled Environments

Minimize contamination risk in critical environments. [fishersci.ca/cleanroom](#)

### Cell Culture

Find solutions for seeding, cell expansion, harvesting, detection, analysis, and storage. [fishersci.ca/cellculture](#)

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