

NORDIC BIOLABS PRESENTS

# Focus on Proteomics

3/2018

The 2018/2019  
Heathrow Scientific  
e-catalogue is now  
available on our  
website

Just click on "Labutensilier" in our webshop and find products within;

- liquid handling
- sample & blood collection
- microbiology
- storage
- mixing & centrifugation
- and much more

[www.nordicbiolabs.se / Webshop / Labutensilier](http://www.nordicbiolabs.se / Webshop / Labutensilier)

## Sprout MiniCentrifuge

**Right now! 1995 SEK**

List price 3069 SEK

Art no HS120424 - Nordic Biolabs Mini Centrifuge Yellow

Art no HS120425 - Nordic Biolabs Mini Centrifuge Purple

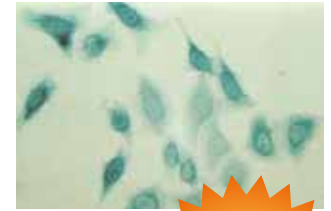
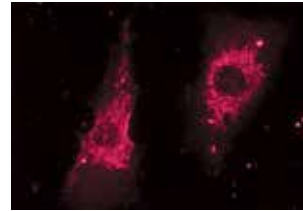
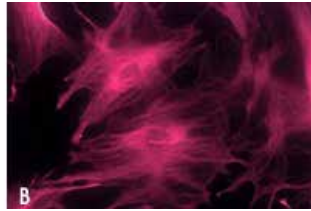
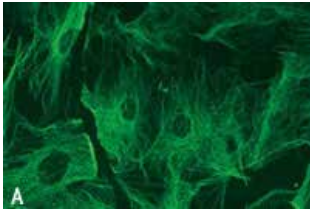
Art no HS120334 - Nordic Biolabs Mini Centrifuge Green



Sprout MiniCentrifuge from Heathrow Scientific



 **nordic biolabs**



Contact us for a sample

# Transform proteins into cells?

*Chariot is a revolutionary delivery reagent that efficiently transports biologically active proteins, peptides and antibodies directly into cultured mammalian cells in less than 2 hours.*

- Fast, simple and efficient - 95% delivery in 2h
- Non-covalent binding preserves protein function
- Works even in hard-to-transfect cell lines
- No fixing required - perform functional studies in living cells
- Non-cytotoxic, serum-independent



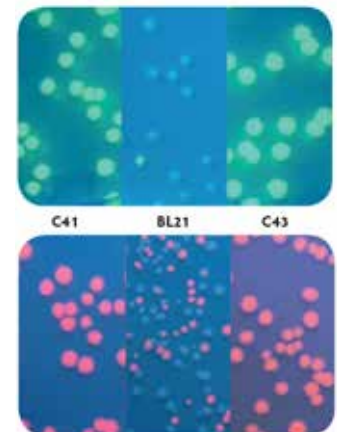
Art no	Description	List price SEK
30025-AF	Chariot reagent 25 reactions	4 590
30100-AF	Chariot reagent 100 reactions	9 360

# Better Expression of Difficult Proteins in *E.coli*

*If you're overexpressing recombinant proteins in bacterial systems, you've probably encountered difficult-to-express targets. What to do? Try another promoter, optimize expression levels, or even try another expression system?*

As a first step, try OverExpress Competent Cells: four *E. coli* strains selected for ability to improve difficult protein expression. It's easy and fast – just use the same T7 expression constructs you've already built. Find the best OverExpress strain for your protein with our citations list (check our website), or try all four strains in the OverExpress ChemComboPack.

- Unique:** Four strains selected for the ability to express toxic and membrane proteins
- Heavily-cited:** Over 350 literature references for successful expression of a variety of proteins from viral, plant and mammalian origins
- Easy-to-use:** BL21 derivatives that work with your existing T7 constructs
- Flexible:** Available with or without pLysS for repressing basal expression



Green Fluorescent Protein (top) or Red Fluorescent Protein (bottom) expressed from a T7 promoter construct that was transformed into C41, BL21, or C43 competent cells spread on IPTG plates to induce protein expression.



Prod no	Description	Pkg size	List price SEK	Right now! SEK
60452-1	OverExpress ChemComboPack (3 rxns of our 4 strains C41(DE3), C41(DE3) pLysS, C43(DE3) pLysS and C43(DE3))	12 rxns (SOLOS)	2846	2000

All offers are valid until August 31 2018 and can not be combined with other offers or agreements with Nordic Biolabs AB. All prices are ex VAT. Please refer to the campaign in order to get the right price when ordering.



## Save time and trouble when expressing proteins

*RTS-1 is a personal bioreactor which provides "Reverse-Spin" type of agitation and logging of microbial growth in 50 ml tubes in real time.*

### Features:

- Innovative mixing due to reverse spinning of the sample around its own axis
- Measure optical density of the probe in real time
- Software has been developed to store, display and analyse the data in real time
- RTS-1 is compact device with low profile and small footprint for personal application
- Temperature control allows to use RTS-1 as an incubator, e.g. for cell growth
- The ability to change parameters such as temperature, RPM and "Reverse-Spin" frequency, allows to achieve consistency and reproducibility of results
- The ability to remotely monitor the process of cultivation while home or using a mobile phone



## Bioreactors for optimizing processes of suspension cells

*TPP TubeSpin® Bioreactors have proven their advantages in large scale screening and optimization processes of suspension cells.*

The optimization of the parameters, important for the production up-scaling, can be evaluated with small amounts maximizing the number of parallel experiments at the same time.

- Filter screw cap with partly 5 different openings (A, B, C, D, E) above the gas permeable, sterile PTFE filter
- Sterile gas exchange is guaranteed by the 0.22 µm filter membrane
- Tubes fit in a standard centrifuge rotor



Art no	Description	Size	Listprice SEK	Right now! SEK
87050	Bioreactor 50ml cell culturing container for suspension cells	180	1 770	1 200
BS-010158-AD4	RTS - Personal Bioreactor	1 pcs	26 128	22 000



Buy Difcos dehydrated media from Nordic Biolabs



## FBS alternatives giving high performance at reduced costs

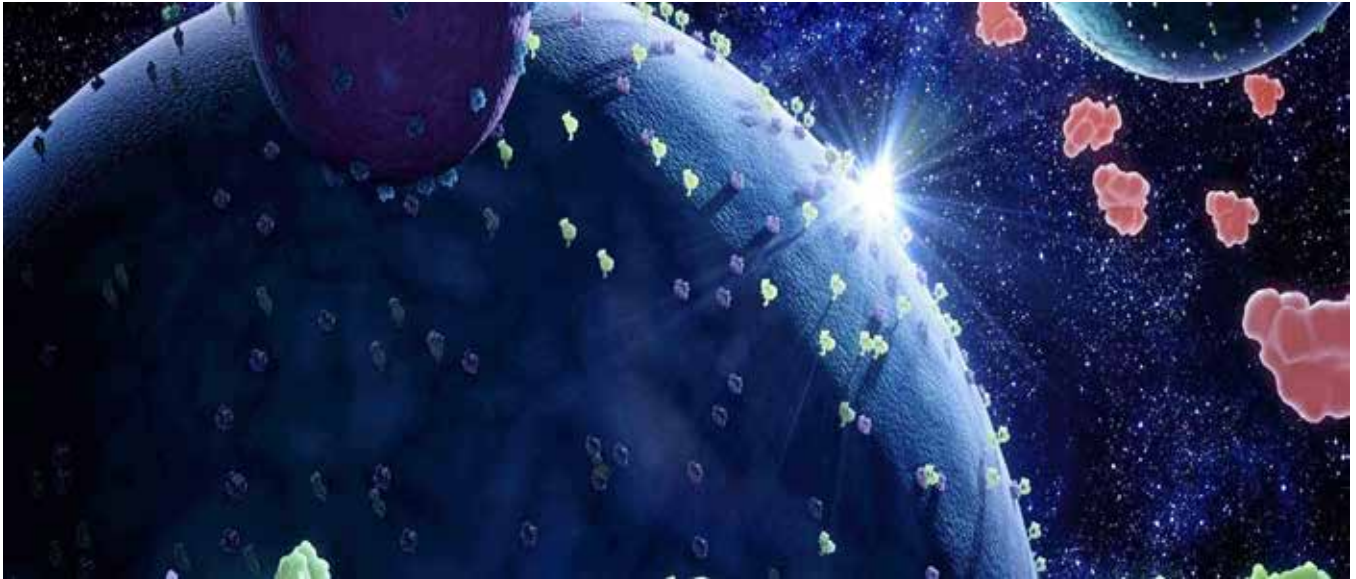
*FBS replacements optimized for growth of hybridoma, CHO cells or fibroblasts – US origin at lower price and minimal batch variation*

All FetalClone products are sterile filtered using sequential 100nm pore-size rated filter.



Art no	Description	Optimized for
SH30080	FetalClone I	Hybridomas
SH30066	FetalClone II	CHO cells & derivatives
SH30109	FetalClone III	Many cell types including Fibroblasts

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# Promega HiBiT Protein Tagging System - Sensitive, simple, antibody-free

## Detect and quantify any tagged protein with a simple luminescent signal:

- Tag and quantify endogeneous proteins
- Monitor receptor internalization
- Quantify protein abundance and degradation

## Choose from 3 HiBit detection systems:

- Lytic– sensitive detection in lysates, IP complexes, cell-free systems
- Extra-cellular – quantification of secreted or membrane proteins in living cells
- Blotting – detection of tagged proteins in minutes by antibody-free luminescence

## Possibilities:

- Tag Endogenous Proteins via CRISPR Insertion—no Cloning Required
- Detect GPCR Internalization without antibodies
- Quantify regulated protein abundance

***Ask us today for trial or more information!***



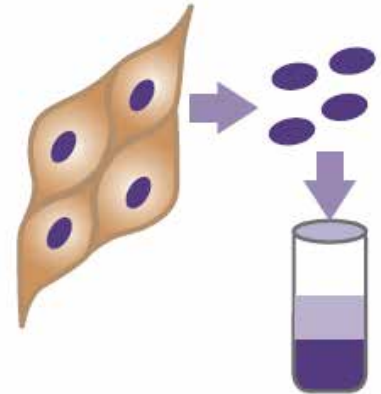
# Nuclear Extract Kit - High quality nuclear, cytoplasmic or whole-cell extract preparation

*Isolate high-quality nuclear, cytoplasmic or whole-cell extract.*

*By using a standardized extraction procedure you ensure reproducible results. Extracts are suitable for EMSA, Western blot and binding assays etc.*

The Nuclear Extract Kit works with fresh or frozen cell and tissue samples and yields protein amounts of approximately 0.5 to 1 mg from cytoplasmic extract (at 1-2 mg/ml concentration), 150 to 250 µg from nuclear extract (at 3-5 mg/ml concentration), 1.2 to 2.4 mg from whole cell extract (at 4-8 mg/ml concentration) from  $8.8 \times 10^6$  cells.

The kit procedure takes two hours to complete. The kit includes buffers, detergents and reagents for lysis as well as Protease and Phosphatase inhibitors to ensure preservation of your proteins.



ACTIVE MOTIF®  
Enabling Translational Research

Art no	Description	Pkg	List price SEK
40010-AF	Nuclear Extract Kit	100 rxn	3 431
40410-AF	Nuclear Extract Kit	400 rxn	10 000

## Fast isolation of high quality protein from yeast and bacteria

*The FastProtein Matrices used in conjunction with the FastPrep™ instrument offer the fastest way to release expressed proteins from bacteria and yeast.*

Total proteins isolated with the FastProtein Matrices are native and can be used for a variety of applications including SDS-PAGE, Western Blotting, immunoprecipitation, gel mobility shift

The **FastPROTEIN Blue Kit** (Lysing Matrix B) is designed for rapid isolation (20-40 s) and purification of protein from **bacterial** cultures.

The **FastPROTEIN Red Kit** (Lysing Matrix C) is designed for rapid isolation (40 s) and purification of protein from **Yeast** cultures. The process is designed to be a small scale test for protein induction.

**FastPrep-24 5G Homogenizer** can reproducibly lyse up to 24 samples in <40 s. For larger amounts of sample you can use 15 ml or 50 ml tubes by just changing the adapters.



Art no	Description	List price SEK	Right now! SEK
116005500	FastPrep-24 5G Instrument	123 485	83 000

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# Tacta<sup>®</sup> Pipette Multipacks - The Smart Solution for Your Lab

Save 30%  
plus get free  
tips and a  
stand

*Don't miss out on this bundle offer! Experience Tacta<sup>®</sup>, the smallest and lightest mechanical pipette.*

Tacta<sup>®</sup> Multipacks offer complete sets of pipettes and accessories that include:

- Mechanical Tacta<sup>®</sup> Pipettes
- Linear Stand
- Matching Optifit Tips
- Pipette Holders

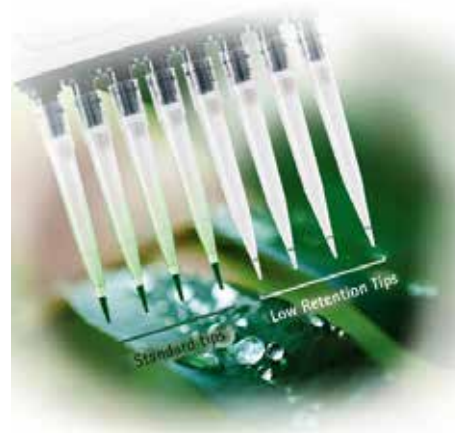


 sartorius

Art no	Description	Tacta Pipettes	Optifit tips	Accessories	Right now! SEK
LH-729670	Tacta Pipette 3-pack 10	Tacta pipettes 0.5-10 µl, 10-100 µl, 100-1000 µl (1 channel)	Sartorius Optifit Tip rack (96 tips) 0.2-10 µl, 0.5-200 µl, 10-1000 µl	Linear Stand & Pipette Holder x3	5 905
LH-729671	Tacta Pipette 3-pack 20	Tacta pipettes 2-20 µl, 20-200 µl, 100-1000 µl (1 channel)	Sartorius Optifit Tip rack (96 tips) 0.5-200 µl, 10-1000 µl	Linear Stand & Pipette Holder x3	5 905

## Save your sample - use low retention tips

*In DNA and protein analysis methods the reagents and/or the samples often contain detergents. When pipetting liquids with low surface tension (e.g. detergents), they tend to leave a film of liquid on the inner surface of standard pipette tips, leading to inconsistency and inaccuracy in pipetting as well as loss in volume of valuable samples. This is due to differences in surface energies between the sample and the pipette tip.*



Sartorius has created an extremely hydrophobic yet durable surface on their Low Retention Tips which reduce the amount of residue in the tip, when handling detergents or other liquids that have a low surface tension. Better reproducibility in pipetting is especially beneficial in sensitive applications like PCR, or real-time PCR. And they are almost the same price as the standard tips!

Price from 524:- for 10x96 tips.

More information and prices at <http://www.nordicbiolabs.se/webshop-nordic-biolabs/vatskehantering/spetsar>

 sartorius



All centrifuges has a 4 year part warranty

## Nuaire centrifuges - larger capacity in a smaller footprint

*The NuWind™ General Purpose Bench Top 2 Liter Refrigerated Centrifuge is a benchtop refrigerated centrifuge that can be used for the separation of substances at different densities that are held in suspension or emulsion in a liquid. It is designed to maximize productivity in the laboratory since it only takes up a minimal amount of space.*

The NuWind™ centrifuge offers precise temperature control and uses CFC-free refrigerant. The model is also available in a ventilated version.

- ClickSpin:** Allows for easy changing of rotors - no tools needed.
- Rotor Recognition:** The centrifuge has rotor recognition technology that allows it to recognize which rotor is installed and ensure that the rotor does not achieve any speed over its intended use.
- Imbalance Protection:** The centrifuge is outfitted with imbalance protection technology, which can detect whether samples are loaded and balanced. It will stop the rotor if a high level of vibrations is detected.
- Auto Lid Lock:** The lid cannot be opened while the centrifuge is in operation and the rotor has come to a halt ensuring lab safety.

**Right now! Save 30% on all centrifuges**



Price example:

Art no	Description	List price SEK	Right now! SEK
NU-C200R	Multi propose Centrifuge refrigerated	76 112	53 278
C200G216	Group Option Package for C200 Centrifuge 2.0L Cell Culture	34 241	23 969
<b>Total</b>			<b>77 247</b>

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# Small footprint Spectrophotometer with temperature control

Designed for open measurements: don't lose time with closing a lid for each reading. Ideal for all UV/Vis spectroscopy applications including kinetics. Cuvette holder optimized for all standard cuvettes (quartz, glass and plastic) with a center height of 8.5 mm.

Power on and instantly measure without lamp warm-up time. Full scan capability from 200 - 900 nm provides rapid and complete sample analysis in only 3.5 sec.

## Cuvettes

For smaller sample volumes (0,7 ml) choose our Quartz cuvette from Starna

For OD measurements or protein assays we offer a disposable cuvette, wavelength 340 nm-1100 nm, sample volumes 100 µl or 200 µl.



Art no	Description	Pack size	List price SEK	Right now! SEK
C40	NanoPhotometer C40, Cuvette Spectrophotometer	1	54 500	46 300
C40-TOUCH	NanoPhotometer C40, Cuvette Spectrophotometer with coloured Touch Screen	1	59 500	50 500
18/Q/10	Micro cuvette, quartz, 170 to 2700nm, volume 0,7 ml	1	1 550	1 315
DC 10	DiluCell10 disposable cuvette 200 ul, virtual dilution 1/10	96	1 800	1 530
DC 20	DiluCell20 disposable cuvette 100 ul, virtual dilution 1/20	96	1 800	1 530

# Accurate, fluorescent protein quantification of cellular extracts

- Large Stokes shift and increased quantum yield of bound dye improve sensitivity and eliminate background
- Robust – limited effect from many contaminating substances found in cell lysis buffers
- Fast and simple procedure for cell extract protein concentration determination. 30 min incubation before reading, signal is stable for up to 1.5 h after incubation
- ProStain dye has only one reactive group, preventing crosslinking-related issues
- Supplied ready to use, eliminating the need for activation steps prior to conjugation
- Measure fluorescens Excitation: 488 nm; Emission: 635 nm



Art no	Description	Pkg size	Price SEK
15001-AF	ProStain	1000 rxn	3 315

# Chemiluminescent Substrate to Detect Horseradish Peroxidase (HRP) Conjugates on Immunoblots

- Detect picogram levels of protein with minimal background
- Non-radioactive
- No optimization required; easily switch from other entry-level ECL substrates



Art no	Description	Pack size	Right Now! SEK
W1001	ECL Western Blotting Substrate	250 ml (sufficient for 2000 cm <sup>2</sup> membrane)	1 400
W1015	ECL Western Blotting Substrate	500 ml 250 ml (sufficient for 4000 cm <sup>2</sup> membrane)	1 975

## Wash your gels and block your membranes effortlessly



### MR-1 Mini Rocker/Shaker

Put your gel on Mini Rocker–Shaker MR-1 which provides regulated gentle rocking motion of the platform and is ideal for mini gel destaining after electrophoresis, conducting Northern, Southern and Western blot analysis. Shaker is a compact, noiseless device designed for personal use.



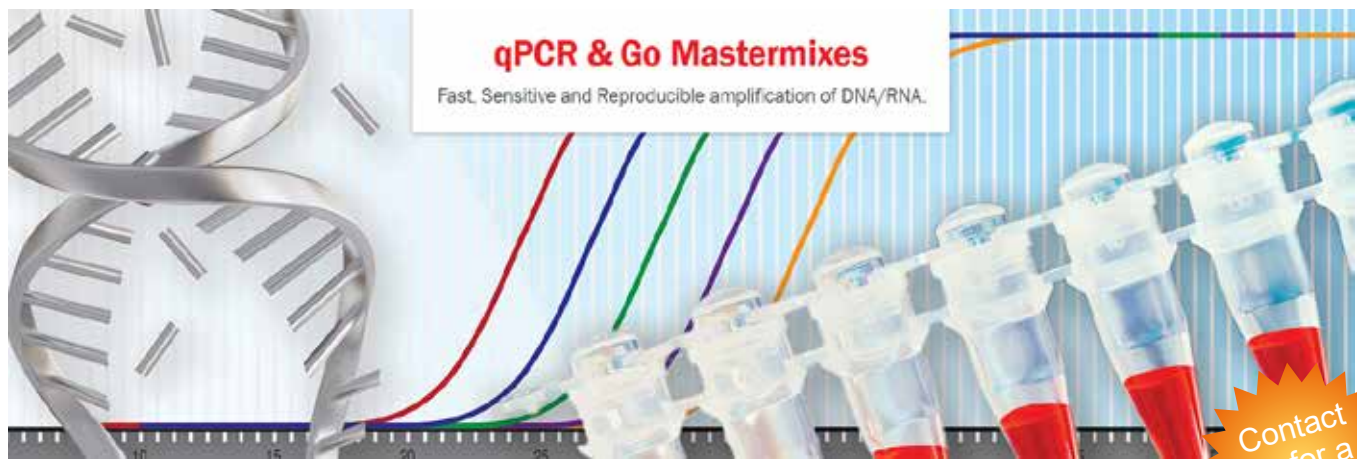
### Multi Bio RS-24

Put your membrane in a 50 ml tube to decrease the amount of AB! Use the programmable Rotator Multi Bio RS-24 performs several motion types in one module. Microprocessor control allows performing not only vertical rotation (1) of the platform, but also Reciprocal rotation (2) as well as Vibration (3).



Art no	Description	List price SEK	Right now! SEK
BS-010152-AAG	MR-1 Mini Rocker/Shaker	4 199	3 650
BS-010117-AAG	Multi Bio RS-24	5 556	4 230

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## qPCR & Go Mastermixes

Fast, Sensitive and Reproducible amplification of DNA/RNA.

Contact us for a sample

# New qPCR & Go Mastermix - Try it!

MP Biomedicals, with more than 20 years of experience in the research and development of thermostable polymerases, release a complete new range of premium mastermixes developed for performing qPCR and two-step reverse transcription qPCR. Sensitive, stable, fast and easy-to-use, PCR & Go Mastermixes simplify the accurate, real-time analysis of DNA, cDNA, and RNA.



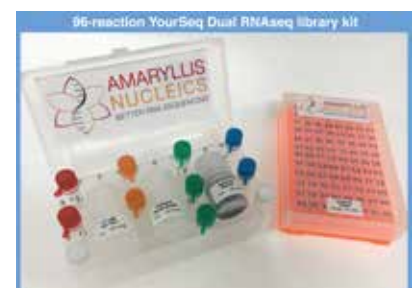
Art no	Description	List price SEK	Right now! SEK
EBI01050	qPCR & Go SYBR® High-ROX Kit 500 rxns	5 330	4 200
EBI02050	qPCR & Go SYBR® Low-ROX Kit 500 rxns	5 330	4 200
EBI03050	qPCR & Go SYBR® No-ROX Kit 500 rxns	5 330	4 200
EBI04050	qPCR & Go Probe High-ROX Kit 500 rxns	5 460	4 300
EBI05050	qPCR & Go Probe Low-ROX Kit 500 rxns	5 460	4 300
EBI06050	qPCR & Go Probe No-ROX Kit 500 rxns	5 460	4 300
EBI00005	cDNA Synthesis & Go Kit 50 rxns	4 510	3 600

# For successful beginners - RNA-SEQ Library Synthesis

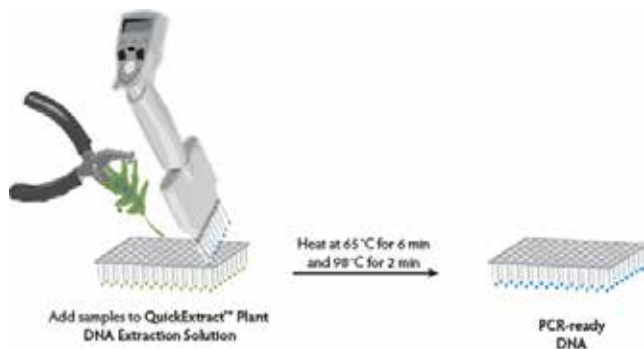
*RNA sequencing is vital for cutting-edge cancer diagnostics, pharmaceutical development, and food security, but the time and cost are major bottlenecks. At Amaryllis Nucleics, technology breaks down these barriers by cutting time and cost manyfold — empowering researchers and accelerating important discoveries in genomics.*

### YourSeq Dual (FT & 3'-DGE) RNAseq Library Kit

- Fast, easy, streamlined: 4 hrs total time vs. 9 hrs for Illumina TruSeq
- Strictly-enforced strand specificity: up to 17X more stringent than Illumina ScriptSeq v2
- Multiplexing: 24, 48, or 96 unique indexing oligos included with kit
- Compatible with single-read and paired-end Illumina sequencing
- High-quality control mRNA included



Art no	Description	INTRO Right now! SEK
DUAL-24	24 sample-kit	5 010
DUAL-48	48 sample-kit	10 020
DUAL-96	96 sample-kit	20 040

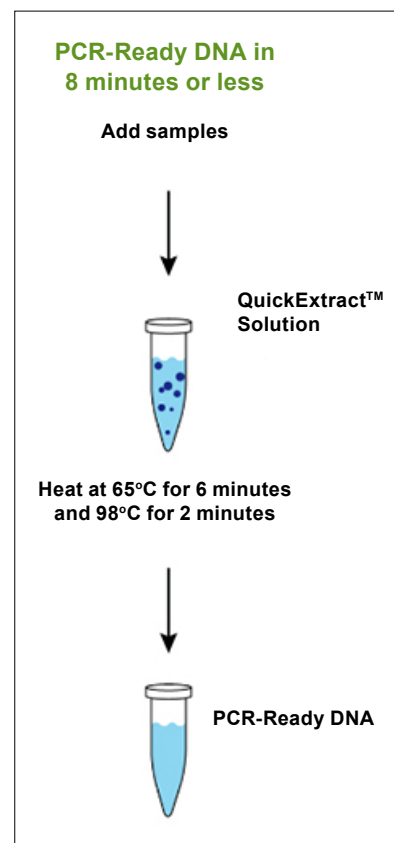


# Don't waste time purifying DNA for PCR Assays

*Simple, Rapid Extraction of (q)PCR-ready DNA - in 3-8 min*

Are you using PCR to genotype transgenic mice, detect CRISPR editing with T7E1 assays, screen for the presence of viral DNA or perform other assays? If so, don't waste your time purifying target DNA. In only 8 minutes, you can extract PCR-ready DNA from a wide array of sample types using the QuickExtract™ DNA Extraction Solution.

**Special Offer** – Receive a **FREE** QuickExtract DNA Extraction (QE0905T) Solution with any CRISPRcraft S.p. Cas9 Nuclease purchase.



Art no	Description	Pkg	Listpris SEK	Right Now! SEK
QE09050	QuickExtract DNA Extraction Solution	50 ml	3 513	2 700
QEP70750	QuickExtract Plant DNA Extraction Solution	50 ml (500 extr)	3 453	2 600



Peter Simon, Charlotte Otéma, Lisa Tibbelin and Jesper Secher

## We are the biotech group

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