

Item

Glucose Oxidase from Aspergillus niger, Type II, ≥ 15000 u/g, 10kU
Alpha-D-Glucose

Digital to Analog Converters - DAC 14-Bit 100 MSPS
Digital to Analog Converters - DAC 16-Bit Voltage Out Digital DAC
Precision Amplifiers High Precision Oper Amplifier
Analog to Digital Converters - ADC 2.7V-5.5V 16B 1MSPS Serial ADC
Thick Film Resistors - SMD 1/8watt 4.7Mohms 1%
Voltage References 1.25V 4ppm/DegC 100uA SOT23-6 Series
Precision Amplifiers High Precision Oper Amplifier
Thick Film Resistors - SMD 1/8watt 10Mohms 1% 100ppm
Adafruit FONA 808 Shield - Mini Cellular GSM + GPS for Arduino
Antennas Passive GPS Antenna uFL - 9mm x 9mm -2dBi gain
Antennas Slim Sticker-type GSM/Cellular Quad-Band Antenna - 3dBi uFL
Gibson Assembly Cloning Kit (NBS Biologicals)
Q5 High Fidelity DNA Polymerase (NBS Biologicals)
Monarch Plasmid Mini-Prep Kit (NBS Biologicals)
5-alpha Competent E. Coli (NBS Biologicals)
Monarch DNA Gel Extraction Kit (NBS Biologicals)
Amplex Red Glucose/Glucose Oxidase Assay Kit
Cell-Free Extract
Cellulose acetate
Poly(ethyleneimine) solution
Polystyrene
Mesitylene
Screen Printing Kit
Conductive Ink
MLCC - SMD/SMT 1.0pF 50V NPO .25pF
MLCC - SMD/SMT 4.7pF 50V NPO 0.1pF
MLCC - SMD/SMT 10pF 50V NPO 1%
MLCC - SMD/SMT 33pF 50V NPO 1%
MLCC - SMD/SMT 100pF 50V NPO 1%
MLCC - SMD/SMT 330pF 50V NPO 1%
MLCC - SMD/SMT 1.0nF 50V NPO 1%
MLCC - SMD/SMT 1.5nF 50V NPO 1%
MLCC - SMD/SMT 2.2nF 50V NPO 1%
MLCC - SMD/SMT 3.3nF 50V NPO 5%
MLCC - SMD/SMT 4.7nF 50V NPO 5%
MLCC - SMD/SMT 6.8nF 50V NPO 5%
MLCC - SMD/SMT 10nF NPO 5% 50 Volts 50 Volts
MLCC - SMD/SMT 15nF 50V X7R 5%
MLCC - SMD/SMT 22nF 50V X7R 5%
MLCC - SMD/SMT 33nF 50V X7R 5%
MLCC - SMD/SMT 47nF 50V X7R 5%
MLCC - SMD/SMT 68nF 50V X7R 5%
MLCC - SMD/SMT 100nF 50V X7R 5%
MLCC - SMD/SMT 150nF 50V X7R 10%
MLCC - SMD/SMT .22uF 50V 5% 0805 Case Size

MLCC - SMD/SMT 330nF 50V X7R 10%
MLCC - SMD/SMT 470nF 50V X7R 10%
Tantalum Capacitors - Solid SMD 20V 4.7uF 10% "B"
Thick Film Resistors - SMD ZERO OHM JUMPER
Thick Film Resistors 1 OHM 1%
Thick Film Resistors - SMD 1.5 OHM 1%
Thick Film Resistors - SMD 2.2 OHM 1%
Thick Film Resistors - SMD 3.3 OHM 1%
Thick Film Resistors - SMD 4.7 OHM 1%
Thick Film Resistors - SMD 6.8 OHM 1%
Thick Film Resistors - SMD 10 OHM 1%
Thick Film Resistors - SMD 15 OHM 1%
Thick Film Resistors - SMD 22 OHM 1%
Thick Film Resistors - SMD 33 OHM 1%
Thick Film Resistors - SMD 47 OHM 1%
Thick Film Resistors - SMD 68 OHM 1%
Thick Film Resistors - SMD 100 OHM 1%
Thick Film Resistors - SMD 150 OHM 1%
Thick Film Resistors - SMD 220 OHM 1%
Thick Film Resistors - SMD 330 OHM 1%
Thick Film Resistors - SMD 470 OHM 1%
Thick Film Resistors - SMD 680 OHM 1%
Thick Film Resistors - SMD 1K OHM 1%
Thick Film Resistors - SMD 1.5K OHM 1%
Thick Film Resistors - SMD 2.2K OHM 1%
Thick Film Resistors - SMD 3.3K OHM 1%
Thick Film Resistors - SMD 4.7K OHM 1%
Thick Film Resistors - SMD 6.8K OHM 1%
Thick Film Resistors - SMD 10K OHM 1%
Thick Film Resistors - SMD 15K OHM 1%
Thick Film Resistors - SMD 22K OHM 1%
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Thick Film Resistors - SMD 3.3M OHM 1%
Thick Film Resistors - SMD 4.7M OHM 1%
Thick Film Resistors - SMD 6.8M OHM 1%
Headers & Wire Housings MOW, 10P
Headers & Wire Housings FOB, SMD, 10P

OPA2340UA/2K5

Operational Amplifiers - Op Amps Ultra-Low Bias Current Difet

RF Connectors / Coaxial Connectors RA JACK PCB STD bulkhead

Opamp 36-V, Precision, Low Offset Voltage Op Amp 14-SOIC

Banana Test Connector, 4mm, Red

Banana Test Connector, 4mm, Blue

Banana Test Connector, 4mm, Green

Dropsens Screen-printed carbon electrode (75/pk)

DNA Gel Loading Dye (6x)

Deoxynucleotide (dNTP) Solution Mix

Thermofisher FastDigest DpnI 50 rxn

Severn Biotech, Rnase free water DEPC treated

Glucose Oxidase from Aspergillus niger, Type II, ≥ 15000 u/g, 10kU

Q5 High Fidelity DNA Polymerase (100 reactions)

Q5 High Fidelity DNA Polymerase (100 reactions)

96-Well Plates

Primers

Melford Laboratories IPTG 10g

Gwent Electrodes 100 units

Screen + Hinge Clamps

Chloramphenicol 25g

AD5933YRSZ, Impedance Converter 12 bit-Bit 1MHz, 16-Pin SSOP

Adafruit FONA 808 shield - mini cellular GSM + GPS for Arduino

Adafruit Antennas Passive GPS Antenna uFL - 9mm x 9mm -2dBi gain

Adafruit Antennas Slim Sticker-type GSM/Cellular Quad-Band Antenna - 3dBi uFL

Peroxidase from horseradish (Type VI, essentially salt-free, lyophilized powder, ≥ 250 units/mg solid (using pyrogallol))

Nafion® perfluorinated resin solution (5 wt. % in mixture of lower aliphatic alcohols and water, contains 45% water)

Ferrocenecarboxylic acid (purum, $\geq 97.0\%$ (Fe))

His Pur Ni-NTA Resin

Angle Clamps

Halogen Floodlight

Screen Cleaner

Screen-Printed Ferrocyanide/Carbon Electrodes (75-pack)

Membrane for Screen-Printed Electrodes (100-pack)

Glucose Oxidase Enzyme Assay

Hydroquinone

p-Benzoquinone

Peroxidase from horseradish

Nafion perfluorinated resin solution

Glutaraldehyde solution

Guadnidine hydrochloride

Flavinadenine dinucleatde disodium salt hydrate 100mg

DPNL

peroxide test strips

vikron disinfectant

lifetech nu PAGE LDS sample buffer

Thermofisher Nu PAGE MES SDS running buffer for BI TRIS gels

Screen-printed platinum electrode (75/pk) + shipping

Samtec PEC Series, Female PCB Edge Connector SMT, 3 Way, 1 Row, 2.54mm Pitch, 9.8A

Preci-Dip 2.54mm 3 Way 1 Row Straight Surface Mount Male Spring Loaded Connector

Samtec PEC Series, Female PCB Edge Connector, Through Hole Mount, 3 Way, 1 Row, 2.54mm Pitch, 9.8A

TE Connectivity Right Angle Female PCB Edge Connector, Cable Mount Mount, 3 Way, 1 Row, 2.5mm Pitch
Sequencing

NEB Gibson Assembly 0174 Master mix 10rxn

BRAND® UV cuvettes micro, center height 8.5 mm, chamber volume 70-850 μ L, window W $\times$ H 2 mm $\times$ 3.5 mm

Bluetooth Dongle

Severn biotech Rnase free water DEPC treated 5ml

Peroxidase from horseradish

A to D converters ADC 2.7V to 5.5V 16 bits 1MSPS serial ADC

Sequencing

Cell-Free Extract (\$500 each + \$300 shipping + \$50 handling)

Virkon Disinfectant Tablets 50g $\times$ 5

Amount	Supplier	Biology	Electrochemistry	Screen Printing
1	Sigma Aldrich		x	
1	Sigma Aldrich		x	
1	Mouser			
1	Mouser			
3	Mouser			
1	Mouser			
10	Mouser			
1	Mouser			
1	Mouser			
10	Mouser			
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1	Mouser			
1	Mouser			
2	NEB	x		
1	NEB	x		
1	NEB	x		
2	NEB	x		
2	NEB	x		
1	Thermo Fisher	x		
2	Mycrocell	x		
1	Sigma Aldrich			x
1	Sigma Aldrich			x
1	Sigma Aldrich			x
1	Sigma Aldrich			x
1	Screenstretch			x
1	Applied Ink Solutions			x
10	Mouser			
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1	Mouser			
1	Mouser			
4	Mouser			
2	Mouser			
2	Farnell			
2	Farnell			
2	Farnell			
1	Metrohm U.K. Ltd.		x	
1	Thermofisher Scientific	x		
1	NEB	x		
1	Biopath Stores	x		
5	Biopath Stores	x		
1	Sigma Aldrich		x	
3	NEB	x		
1	Biopath Stores	x		
1	Farnell	x		
86	IDT Technology	x		
1	Biopath Stores	x		
1	Gwent Electronic Materials LTD		x	
1	Screenstretch			x
1	Melford Laboratories	x		
1	RS			
1	Mouser			
1	Mouser			
1	Mouser			
1	Sigma Aldrich		x	
1	Sigma Aldrich		x	
1	Sigma Aldrich		x	
1	Thermofisher Scientific	x		
10	RS			x
2	RS			x
1	Pyramid Screens			x
1	Metrohm (DropSens)		x	
1	Metrohm (DropSens)		x	
1	abcam	x		
1	Sigma			
1	Sigma			
1	Sigma		x	
1	Sigma		x	
1	Sigma Aldrich		x	
1	Sigma Aldrich	x		
1	Sigma Aldrich	x		
1	biopath stores	x		

1	Sigma Aldrich		x
1	biopath stores	x	
1	biopath stores	x	
1	biopath stores	x	
1	Metrohm (DropSens)		x
1	RS		x
3	RS		x
1	RS		x
10	RS		x
88	Source Bioscience	x	
1	biopath stores	x	
1	Sigma Aldrich		
1	RS		
10	biopath stores	x	
1	Sigma		x
		x	
2		x	
1		x	

Hardware	Front-End
• CPU • Memory • I/O • Network • Storage	• User Interface • Application Logic • Database • Security • Logging

X	
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This is a record of money that has been spent.

Cambridge University gets discounts with some suppliers, but we don't know which ones as the Purchasing System. As such, we will assume non-discounted prices.

we don't have access to