Central Core Unit

Unit Coordinator:

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Laboratory / Research Technologists:

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The Central Core Unit was established as a centralized facility for the production of cell culture media, general buffers and pure water, and to provide glassware wash and sterilisation services. Most of our customers are within the BecA Hub, but we also provide services to partners within and around Nairobi.

Our current services include:

- Glassware washing.
- Autoclaving and baking glassware for sterilization.
- Sterilization services.
- Stocks of all types of sterile glassware available.
- Provision of sterile Milli–Q Grade water.
- Preparation of cell culture media and buffers.
- Custom media and buffer services.
- Laboratory waste management.
- Laboratory cleaning.

Central Core unit services

The Central Core unit provides the following services to researchers at the BecA Hub:

Glassware services:

The Central Core collects used glassware from laboratories at the BecA Hub, and washes and sterilises the glassware. We also maintain a stock of all types of sterile laboratory glassware and pipettes.

All glassware is either steam sterilized or dry heat baked according to requirements. Biological indicators and steam strips are used for each autoclave load. All glassware is carefully inspected prior to stocking in the Central Core glassware storage area.

Media & Buffers:

The Central Core provides economically priced, high quality media and buffers. Our media preparation laboratory is equipped with two laminar flow hoods, a Millipore Elix 5 water purification system, and cold temperature (+4°C) storage areas.

Media and buffers are prepared in 1 to 100 litre batches using high quality reagents from Sigma – Aldrich. The Central Core produces agar plates, LB broth, various cell culture media, antibiotic solutions, buffers and balanced salt solutions.

All our products are prepared with 18 megohm-cm water purified by a Milli–Q water system.

Quality control consists of strict record keeping during the preparation of each batch of media, pH and osmolarity measurements, and routine inspection of sterilisation filters.

Filters used for media sterilization are composed of a prefilter plus a bi-layer of Millipore filters (0.22 plus 0.45 micron filters).

Sterility of all media is checked by incubating samples at room temperature and at 37°C for 14 days.

Media / Buffer price list:

Item

Package size

Unit cost (US$)

1N Hydrochloric Acid

100 ml

$ 6.50

2XYT Broth

500 ml

$ 44.30

2XYT Broth

50 ml

$ 5.20

2XYT H plates

100 X 15 mm

$ 8.60

Agar Powder

15 gms

$ 10.30

Alsevers Solution

500 ml

$ 35.00

Ampicillin Vial

Vial

$ 2.35

Autoclaving Services

Per Hour

$ 20.50

Blood Agar Plates

150 X 15 mm

$8.60

Dry Ice

1 Kg

$ 5.85

Dulbecco,s Pbs

1 litre

$ 43.50

Dulbecco's Mem

500 ml

$ 35.50

Eagles Mem + Hanks

500 ml

$ 32.54

Gentamicin

6 ml

$ 4.30

Iscoves

500 ml

$50.20

L - 15

500 ml

$ 44.50

L - Broth

500 ml

$ 44.30

L - Broth

50 ml

$ 5.20

L - Broth plates

150 ml

$8.60

L - Glutamine

6 ml

$ 3.20

Milli - Q Water

20 litres

$ 75.40

Normal Saline

1 litre

$ 15.40

NZYCM + Amp

Large

$ 10.40

NZYCM + Amp

Squared

$ 7.50

Pen Strep

6 ml

$ 3.20

PSG Mouse

1 litre

$43.50

PSG Rat

1 litre

$ 43.50

R - Nazol

50 ml

$ 85.90

RPMI 1640 + Hepes

500 ml

$ 45.70

Sodium Hydroxide

100 ml

$ 6.50

Sodium Pyruvate

100 ml

$ 7.50

Sterile Milli - Q Water

1 litre

$ 4.10

TAE (50X)

1 litre

$75.21

TBE (10X)

1 litre

$ 55.21

TC - 100

500 ml

$ 38.70

Tris - EDTA Buffer

100 ml

$ 5.80

Tris Ammonium Chloride

100 ml

$ 8.40

Trypsin EDTA

100 ml

$ 53.40

Tryptose Phosphate Broth

500 ml

$ 15.30

For special (custom) orders, please contact the Unit Coordinator, David Oyoo Ezra.

Laboratory waste disposal:

The Central Core unit is responsible for collecting and disposing of waste from all general laboratories and the BSL2 laboratory.

Download:

Central Core Unit brochure

Central Core Unit Poster