


November 21,2019

REQUIREMENT OF QUOTATION

The sealed quotations are invited from reputed companies / authorized Dealers/distributors for purchase of following items at the Multidisciplinary Centre for Advanced Research and Studies, Jamia Millia Islamia, New Delhi-110025

S. No.	Item	Quantity
1	qPCR Cancer detection Kit	1
2	Hepatitis B antigen detection ELISA Kit	4
3	Hepatitis C antigen detection ELISA kit	4
4	Antibiotic detection Kit	1
5	Minimum Inhibitory Concentration detection kit	1
6	Plasmid DNA isolation kit	1
7	PCR/Gel purification kit	1
8	RNA isolation kit	1
9	Genomic cleavage detection kit	1
10	cDNA synthesis kit	1
11	Micropipettes (0.1-2µl)	2
12	Micropipettes (2-20µl)	2
13	Micropipettes (20-200µl)	2
14	Micropipettes (100-1000µl)	2

Last date to submit the quotation is November 25, 2018, 5:00 pm



(Director)

qPCR cancer detection kit

Features

Method	Taqman probe-based real-time PCR assay
Nucleic Acid Kit	RNA
Kit Storage	Shipped in room temperature, store at -20°C on arrival
Gene Target	Cancer Genes: BCR/ABL genes
Detection Limit	10 to <100 copies per reaction
Sensitivity & Specificity	Ct value 30±5
Controls Included	<ul style="list-style-type: none">• Internal Extraction Control (IEC) as inhibition control• Positive control
Channels	<ul style="list-style-type: none">• Any fluorescent channel compatible with qPCR instruments
Unit Size	150-200 assay reactions
Quantity	1
Certification	CE IVD

Other components that should be provided with the kit

- a. Nuclease Free Water
- b. Positive Control
- c. Internal Extraction Control Primers and Probe Mix
- d. Internal Extraction Control

Specification for Hepatitis B Virus s Antigen (HBsAg) Detection ELISA Kit

Features:

Assay Target	HBsAg
Assay Target Class	Protein
Automation Compatible	Yes
Detection Method	UV visible range
Shipping Condition	suitable for the kit
Unit Size	100 Assay Points
Quantity	4

Specification for HCV cAg Detection ELISA Kit

Features:

Assay Target	HCV cAg
Assay Target Class	Protein
Automation Compatible	Yes
Detection Method	UV visible range
Shipping Condition	suitable for the kit
Unit Size	100 Assay Points
Quantity	4

Antibiotics Detection kit

1. The kits shall be able to detection of wide range of antibiotics namely; (1) Penicillin G; (2) Ampicillin; (3) Amoxicillin, (4) Tetracyclin etc.
2. The kit shall be compatible with bio-specimens such as dairy and poultry products etc.
3. The kits shall include positive and negative control.
4. Kit shall be ELISA based with very high sensitivity.
5. Detection by UV-Visible spectroscopy.
6. The kit required to assay 50 samples.

Minimal Inhibitory Concentration Test Kits

1. The strip shall allow quantitative in vitro determination of the Minimum Inhibitory Concentration (MIC) against pure microbial species on agar media
2. The strip shall be able to detect of wide range of antibiotics namely; (1) Penicillin G; (2) Ampicillin; (3) Amoxicillin, (4) Tetracyclin etc.
3. The test strip must be compatible with routine standard microbiology.
4. Kit required for to assay 50 samples.

Specification for Plasmid DNA isolation Kit

1. Suitable for both Gram-positive and Gram-negative bacteria.
2. Suitable for cultures upto 5mL per preparation.
3. Column based plasmid isolation method.
4. Kit should be capable of efficient and pure Plasmid DNA extraction suitable for molecular biology applications like PCR, Mutagenesis, cloning.
5. Kit for 100 plasmid preparations.

Specification for PCR/Gel purification kit

1. Efficient and fast recovery of DNA sample from PCR and agarose gel of various concentration.
2. Kit should be able to remove agarose gel, dNTPs, oligos, mineral oil from the input material.
3. Purification should be column based.
4. The extracted DNA should be suitable for molecular biology applications like, sequencing, cloning, PCR etc.
5. Kit for 250 preparations.

Specifications of RNA isolation kit

Features

1. Yield: Desirable Up to 3 μ g or more of total RNA.
2. RNA quality: Highly pure RNA ready to use for qPCR
3. Kit Components should include following:
 - a. extraction buffer
 - b. Inhibitor Remover Buffer (concentrate)
 - c. Wash Buffer (concentrate)
 - d. Digestion Buffer
 - e. Digestion Enhancer
 - f. RNase-free Water
 - g. RNA DNase I
 - h. Proteinase K
4. The kit should contain reagents for isolation of 50-100 isolation samples.

Genomic Cleavage Detection Kit

Features

1. PCR Enzyme: Taq Polymerase
2. Recognition Site: INDEL
3. Technique: CRISPR-Cas9, TAL Effector Nuclease
4. Storage: -5 to -20
5. Unit Size: 20 reactions
6. Quantity: 1
7. Should be compatible with wide range of thermal cyclers.

Specification for cDNA synthesis Kit

1. High capacity cDNA synthesis
2. Kit should include following components:
 - Reverse Transcriptase Buffer,
 - Reverse Transcriptase
 - RNase Inhibitor (25 U/ μ l)
 - Oligo (dT) primer
 - dN TP mixture (all nucleotides in single mix)
 - Control neo mRNA (0.2 μ g/ μ l)
 - 2nd strand synthesis buffer, 5x concentrated
 - RNAase free Double-distilled water
3. The cDNA synthesised should be suitable for molecular biology applications like, q-RT PCR, PCR, cloning etc.
4. Kit should contain 50 reaction.

Specification of Micropipettes (0.1-2 μ l)

1. Quantity required:2
2. Autoclavable
3. UV resistance
4. Hyper blower system
5. Non grease operation
6. Can fit tips from multiple companies
7. Accuracy required: ± 6.0
8. Precision: $\cong 5.0$
9. Warranty: 2 years

Specification of Micropipettes (2-20 μ l)

1. Quantity required:2
2. Autoclavable
3. UV resistance
4. Hyper blower system
5. Non grease operation
6. Can fit tips from multiple companies
7. Accuracy required: ± 5.0 (at 2 μ l volume)
8. Precision: $\cong 3.0$ (at 2 μ l volume)
9. Warranty: 2 years

Specification of Micropipettes (20-200 µl)

1. Quantity required:2
2. Autoclavable
3. UV resistance
4. Hyper blower system
5. Non grease operation
6. Can fit tips from multiple companies
7. Accuracy required: ± 1.2 (at 20 µl volume)
8. Precision: $\cong 1.0$ (at 20 µl volume)
9. Warranty: 2 years

Specification of Micropipettes (100-1000 µl)

1. Quantity required:2
2. Autoclavable
3. UV resistance
4. Hyper blower system
5. Non grease operation
6. Can fit tips from multiple companies
7. Accuracy required: ± 1.2 (at 100 µl volume)
8. Precision: ≤ 0.8 (at 100 µl volume)
9. Warranty: 2 years