

Tender Document

Procurement of Chemicals, Glassware's & Lab Equipment



**COMSATS University Islamabad
Abbottabad Campus**

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1. Tender Notice

COMSATS University Islamabad

Tender Ref # CUI/Atd/CHM / 25 (2023-2024)

Procurement of Chemicals, Glassware's & Lab Equipment

1. COMSATS University Islamabad-Abbottabad Campus, a Public Sector University invites Bids through e-Pak Acquisition & Disposal System (EPADS) <https://eprocure.gov.pk> on “**Single-Stage Single-Envelope**” procedure basis from Income Tax & GST registered Firms/Companies who are on the Active Taxpayer List (ATL) for General Sales Tax and Income Tax of FBR for **procurement of Chemicals Glassware's & Lab Equipment**.
2. The Bid Security for the Bid is **Rs.90, 000** in the form of Call Deposit/Bank Draft (refundable) drawn in favor of “COMSATS University Islamabad” (FTN/NTN: **9013701-9**); scanned copy of which is required to be uploaded through EPADS and hard copy must be submitted physically along with hard-copy of sealed bidding document on the closing date of the tender to COMSATS University Islamabad on the address given below.
3. The complete Tendering process shall be carried out through EPADS.
4. Interested bidders are requested to register themselves on the EPADS <https://eprocure.gov.pk/#/supplier/registration> and submit their tender documents.
5. For registration and guidance/training on EPADS, you may contact EPADS UAN: 051-111-137-237.
6. Closing date of submission is **February 29, 2024, by 1400 hours**. The bids shall be opened **half hour after the closing time** in the presence of the bidders who wish to be present, in Purchase office Admin Block, COMSATS University Islamabad, Abbottabad Campus.
7. As per PPRA Rule 33, CUI may reject all bids or proposals at any time prior to the acceptance of a bid or proposal.

Contact Person and Submission



Purchase Officer
COMSATS University Islamabad, Abbottabad Campus
University Road, Tobe Camp, Abbottabad
Tel: 0992-383591-6, 0992-383863
Email: nisarahmed@cuiatd.edu.pk

2. Key Points

Table # 1

S.N	Detail	Specification
1.	Validity of Bid	60 Days from the date of closing of Bids
2.	Award of Contract / W.O	Item-wise Basis
3.	Delivery Time	30 Days from the date of issuance of W.O
4.	Method	Single Stage Single Envelope
5.	Closing Date & Time	February 29, 2024, by 1400 hours
6.	Opening Date & Time	Half Hour after the Closing Time on the same day
7.	Bid Security Amount (Under Rule 25 of PPRA Rules 2004)	Rs.90,000
8.	Performance Guarantee (Under Rule 39 of PPRA Rules 2004)	

3. General Terms & Conditions of the Tender

- i. No tender/bid shall be considered if: -
- Not uploaded through EPADS;
 - Received without required documentation or deficiency in required documentation;
 - Received without bid security;
 - In contradiction with the specification given by the CUI;
 - Received with any condition;
 - The bidder is in litigation with CUI or is blacklisted by any organization or is notified as blacklisted on PPRA website.

4. Contact person and Submission of Bids:

- i. Contact Person for all inquiries, clarifications and bid submission shall be:

Purchase Officer
COMSATS University Islamabad, Abbottabad Campus
University Road, Tobe Camp, Abbottabad
Tel: 0992- 383591-6, 0992-383863
Email: nisarahmed@cuiatd.edu.pk

5. Validity of Bids:

- The Bid shall remain valid as mentioned in **Table 1** of the tender document.
- Any bidder/firm/ company which refuses to accept the Work Order based on market price escalation shall result in forfeiting the bid security. CUI may also impose a ban from business with it for a period of 6 months.

6. Price of the Bid:

- i. Prices quoted by the Bidder shall be fixed during the period of the contract and not subject to variation on any account.
- ii. Applicable Income tax and GST shall be deducted at source and as per rules. In case of exemption, please mention and attach proper documentation duly verified from the concerned tax authorities. However, CUI may accept the exemption certificate. In case of non-acceptance, CUI shall deduct all applicable taxes as per tax rate. CUI shall provide a certificate of tax deduction and the vendor may claim refunds from Tax Authorities/FBR.
- iii. In the case of tie in rates of the bidders, award of contract shall be decided through balloting in the presence of the of the bidders.
- iv. Unit price shall be taken up to 1 decimal point. The total cost shall be round-up to zero decimal.
- v. In case of any conflict in the price/cost quoted by the bidder, the unit cost (Exclusive of GST) quoted by the bidder shall be considered for calculation.
- vi. In case GST is not mentioned, the prices shall be considered as inclusive of GST.
- vii. KPK Professional tax will be applicable as per Rules at time of payment.

7. Bid Currencies & Bid Security:

- i. Bid prices shall be quoted in Pak Rupees.
- ii. The currency of the bid security shall also be in Pak Rupees.
- iii. The Bidder shall furnish, as part of its bid, bid security as specified in **Table 1** of the tender document. The bid security is required to protect CUI against the risk of Bidder's default which would warrant the security's forfeiture.
- iv. The bid security shall be in favor of **COMSATS University Islamabad, Abbottabad Campus (FTN/NTN: 9010420-7)**, in any of the following form:
 - a. Bank Draft
 - b. Pay Order
- v. A scanned copy of bid security is required to be uploaded through EPADS and hard copy must be submitted physically on the closing date of the tender to COMSATS University Islamabad, Abbottabad Campus on the address given in the tender notice.
- vi. No personal cheques shall be acceptable at any cost. Also, any previous bid security shall not be considered or carried forward.
- vii. The bid security found deficient of the required amount shall not be considered.
- viii. Unsuccessful bidders' bid security shall be released and returned promptly as the successful bidder gives consent to the work order or signs the contract agreement, whichever is applicable.
- ix. The bid security of the bidder shall be forfeited if the bidder:

- a. Requests for withdrawal of his bid during the evaluation process.
 - b. Does not accept the correction of arithmetic errors in its bid.
- x. The bid security of the successful bidder shall be forfeited if the bidder:
 - a. Fails to accept the work order/sign the contract agreement after announced as successful Bidder.
 - b. Fails to comply with the requirement of the bid and contract.

8. Clarification of Bidding Document:

- i. During evaluation of the bid(s), CUI may, at its discretion, ask the Bidder for a clarification of its bid and such information imperative for evaluation. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted. In case the bidder fails to respond within given deadline, the bidder shall be considered as non-responsive and shall be disqualified from the bidding process.

9. Opening of Bids:

- i. CUI shall open all bids through EPADS at the time, date, and place specified in tender notice, in presence of bidders' representatives who wish to attend the meeting and shall sign an attendance sheet as evidence of their presence.

10. Influencing the evaluation process:

- i. No Bidder shall contact CUI on any matter relating to evaluation of its bid, from the time of bid opening to the time evaluation report is made public. If the Bidder wishes to bring additional information or has a grievance to submit, it should do so through EPADS.
- ii. Any effort by a Bidder to influence CUI during bid evaluation may result in disqualification of the bid.

11. Qualification & Evaluation of Bids:

- i. CUI shall determine whether the Bidder is qualified to perform the Contract satisfactorily, in accordance with the criteria & qualification specified in the tender document.
- ii. The qualification shall be based upon an examination of the documentary evidence submitted by the Bidder, as well as such other information as CUI deem necessary and appropriate.
- iii. CUI shall technically evaluate and compare the bids which have been determined to be substantially responsive, as per evaluation criteria given in the tender document.
- iv. The bidder's financial evaluation of a bid shall be based on the lowest evaluated bid inclusive of all prevailing taxes and duties.
- v. CUI shall examine the bids as whether:

- a. They are complete in all respect;
 - b. Any computational errors have been made;
 - c. Required financial sureties have been furnished;
 - d. The documents have been properly signed.
- vi. Arithmetical errors shall be rectified on the following basis:
- a. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price (exclusive of tax) shall prevail, and the total price shall be corrected. If the Contractor does not accept the correction of the errors, the bid shall be rejected, and the bid security shall be forfeited.
 - b. If there is a discrepancy between words and figures, the amount in words shall prevail.
- vii. CUI may waive any minor non-conformity, in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.
- a. *Explanation: A minor non-conformity is one that is merely a matter of form and not of substance. It also pertains to some immaterial deficiency in a Bid or variation of a bid from the exact requirements of the tender document that can be corrected or waived without being prejudicial to other bidders. The deficiency is immaterial when the effect on quantity, quality, or delivery is negligible when contrasted with the total cost or scope of the supplies or services being acquired. CUI shall either give the bidder an opportunity to correct any deficiency in a bid or waive the deficiency, whichever is advantageous to CUI.*
- viii. Prior to the detailed evaluation, CUI shall determine the substantial responsiveness of each bid to the bidding documents. For the purposes of these clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations.
- ix. Deficiency in bid security, Applicable Law and Taxes and Duties shall be deemed to be a material deviation. The CUI's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- x. If a bid is not substantially responsive, it shall be rejected and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

12. Notification of Evaluation Reports:

- i. The evaluation report shall be notified through EPADS.

13. Corrupt or Fraudulent Practices & Blacklisting:

- i. The bidders shall be required to observe the highest standard of ethics during the procurement and execution of contracts. For the purpose of this provision, the terms set forth below are defined as under:
 - a. "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution;
 - b. "Fraudulent practice" means a misrepresentation of facts to influence a procurement process or the execution of a contract to the detriment of CUI;
 - c. "Collusive practice" is an arrangement among bidders (prior to or after bid submission) designed to establish bid prices at artificial, non-competitive levels for any wrongful gains, and to deprive CUI of the benefits of free and open competition.
- ii. CUI shall have the right to reject a proposal for award if it determines that the bidder had been engaged in corrupt or fraudulent practices in the past with any organization.
- iii. Any bidder/firm/company which is blacklisted by any organization and/or notified as blacklisted by PPRA shall be considered disqualified from the bidding process unless and until it is de-notified on PPRA website.
- iv. If it at any time, CUI determines that the firm has engaged in corrupt, fraudulent, or collusive practices in competing for, or in executing the contract, it shall sanction/ban a bidder/firm/company, in accordance with prevailing Blacklisting procedures under Federal Public Procurement Rules.

14. Right to Accept or Reject Bids:

- i. Under PPRA Rule 33(1), CUI may reject bids or proposals at any time prior to the acceptance of a bid or proposal, without incurring any liability to the bidder(s).

15. Award of Contract:

- iii. After scrutiny of all bidding documents, the final evaluation report shall be uploaded to EPADS, and the work order/purchase order shall be issued on the basis of most advantageous bid as mentioned in **Table 1** of the tender document.
- ii. The successful bidder shall immediately sign a contract agreement / give consent to the Work Order/Purchase Order. The bidder shall bear all the stamp duties and expenses for the purpose of contract agreement/Work Order/Purchase Order, if any.

16. Notification of Award:

- i. The notification of award shall constitute the formation of the Agreement/Work Order/Purchase Order.

- ii. Upon the successful bidder's signing the contract agreement/acceptance/consent to the Work Order/Purchase Order, CUI will promptly notify the unsuccessful bidder(s) and will release its bids security.

17. Delivery Information:

- i. The supply shall be made to CUI as mentioned in **Table 1** of the tender document.
- ii. In case of delay in delivery, the vendor may submit a written request for extension in delivery time, giving valid justification with proof.
- iii. CUI may extend the delivery time according to the reason of delay with the condition of deductions in percentage (0% to 10%) from the total bill as penalty. The decision shall be communicated to the vendor for extension along with [percentage of deduction, if any]. In case of non-responsiveness/non-acceptance by the vendor, the work order shall automatically be cancelled, the bid security shall be forfeited. CUI may also impose a ban from business with it for a period of six months.
- iv. CUI may reject the request for extension, in which case, the work order shall be cancelled, the bid security shall be forfeited. CUI may also impose a ban from business with CUI for a period of six months.
- v. It shall be the responsibility of vendor to make delivery as per Work Order/Supply Order directly to the **Store Section COMSATS University Islamabad, Abbottabad Campus. The Store (Mr. Munir Alam 0300-9110665)** may be informed one day prior to delivery for proper arrangements and entry. The supplier shall insure the duly signed delivery challan from store officials.
- vi. The bills along with delivery challan (duly signed by authorized official of CUI) shall be submitted to the Procurement Office for further necessary payment process. Any deficiency in bill/supporting documentation shall be removed by the vendor.
- vii. Any defective item(s) shall be replaced by the vendor during the warranty period, free of cost, within one-week is time. In case of failure to supply the specific item, CUI shall purchase the item on risk and cost of the supplier, to be deducted from the bidder's bid security or performance guarantee.
- viii. Payment shall be made as per actual quantity delivered & accepted to CUI.
- ix. Samples are mandatory where specifically demanded and bid without samples shall be considered non-responsive. No sample(s) shall be accepted after the closing date of the tender. Sample(s) other than the demanded item(s) shall not be considered.
- x. After technical evaluation of bids, sample(s) provided by bidders may be picked up from the procurement section within 30 days from the date of technical bid evaluation announcement. Failure on the part of the bidder(s) to collect his samples within the stipulated time shall allow CUI to dispose-off the samples.

18. Legal Document

- i. The Tender document and Contract agreement/Work Order/Purchase Order altogether shall have legal binding on all bidders.

19. Declaration Form

(THIS FORM IS TO BE PROVIDED WITH THE BID)

All the terms & conditions have been carefully read and understood and are hereby unconditionally accepted and it is declared that:

- a) I understand that by inserting any condition in my bid consciously or unconsciously shall automatically disqualify me from the bidding process.
- b) By altering/adding/deleting any point, clause, condition in the documents provided shall automatically disqualify me from the bidding process.
- c) All the information furnished by me here-in is correct.
- d) I have no objection if enquiries are made about the work listed by me/us in the accompanying sheets /annexure.
- e) I agree that the decision of CUI in selection shall be final and binding to me.
- f) I have read the instructions appended to the proforma and I understand that if any false information in the document is noticed at a later stage, CUI is at liberty to act in a manner in accordance with the applicable rules and terms & conditions of the tender, which may include Penalty AND/OR forfeiting of bid security AND/OR blacklisting for future tendering with CUI AND/OR bar from business with CUI for a period of six months.

Tender Title	
Name of Firm/ Company	
Year of Establishment in this business	
Name of Authorized agent	
Office Address	
GST No.	
NTN.	
Valid Cell No.	
Valid E-mail (For all official correspondence)	
Signature & Stamp (Authorized Representative)	

20. Technical Evaluation Criteria:

Table # 2: Mandatory Requirements:

Detail	Criteria
1. Draft of Bid Security <i>(To be Physically Submitted to Purchase Section on the Closing Date)</i>	Mandatory
2. Financial Bid / Quotation (Strictly as per CUI pattern) <i>Any alteration/addition/deletion shall dis-qualify the bidder from the bidding process</i>	Mandatory
3. Declaration Form	Mandatory
4. Active Taxpayer List (ATL) of FBR Status as "Active" in I.T and Compliance Level is 100% in GST.	Mandatory
5. Proof of Non-Blacklisting: Affidavit on legal paper of appropriate value (duly attested from notary public) OR letterhead that the firm/company is neither blacklisted nor in litigation with any public sector client	Mandatory
Compliance with CUI requirement/Specification 6. Mentioning of Brand Name (if any) is mandatory. Blank technical sheet shall be treated as non-compliance and may result rejection of tender / bid	Mandatory
Professional Experience 7. List of 3 executed/ similar contracts for Different Clients in the last 3 Year (will be given preference).	

- Failing in any of the mandatory requirement shall disqualify the bidder from the bidding process.
- Technically most advantageous/responsive bidder offering the lowest price will be awarded contract/supply order on the items basis.
- **DO NOT attach any information or portfolio which is not requested. Only provide the demanded information**

21. FINANCIAL PROPOSAL

(On Company's Letterhead)

Ref No: _____

NTN: _____

Date: _____

GST: _____

Procurement of Chemicals, Glassware's & Lab Equipment

SN	Specification	Qty	Unit Price (GST Excl)	GST Amount (If any)	Unit Price (GST Incl)	Total Cost (GST Incl)
1						
Total Cost (Inclusive of GST)						

- The bid is submitted without any conditions.
- All the terms and conditions set forth by COMSATS University Islamabad, Abbottabad Campus in this tender are acceptable unconditionally, including **bid validity and delivery time**.

Name of Authorized Person: _____

Date: _____

Signature _____

Official Company Seal: _____

22. Technical Compliance Performa

(On Company's Letterhead)

Ref No: _____

NTN: _____

Date: _____

GST: _____

Procurement of Chemicals, Glassware's & Lab Equipment

SN	Specification	Compliance	Non-Compliance	Higher if any
01				

- The bid is submitted without any conditions.
- All the terms and conditions set forth by COMSATS University Islamabad, Abbottabad Campus are acceptable unconditionally, including **bid validity and delivery time**.
- I understand that blank technical sheet / non-mentioning of Brand and Model shall make my bid non-responsive and may result rejection of my bid.

Name of Authorized Person: _____

Date: _____

Signature _____

Official Company Seal: _____

Tender Reference # CUI/Atd/CHM/25 (2023-2024)
Specification

Glassware's			
S. No	Name	Paking	Qty
1.	15mL falcon tubes (Sterile for cell culture lab)	(100 pcs / pack)	20 pack
2.	50mL falcon tubes (Sterile for cell culture lab)	(50 pcs / pack)	20 pack
3.	T-25 Flask (Sterile for adherent cell line)	Each	2000 No
4.	T-75 Flask (Sterile for adherent cell line)	Each	500 No
5.	Pipettes 10 mL (Sterile)	Each	1000 No
6.	Blue tips (1 mL))	(500 pcs / pack)	10 pack
7.	Yellow tips (10-200uL)	(500 pcs / pack)	10 pack
8.	White tips (0.2-10uL)	(1000 pcs / pack)	05 pack
9.	Eppendorf tubes (1.5mL)	(1000 pcs / pack)	05 pack
10.	Eppendorf tubes (2 mL)	(1000 pcs / pack)	05 pack
11.	Parafilm Roll	Roll	03 Roll
12.	Clear bottom, Black 96-well plate, sterile, with lid	Each	100 No
13.	96-well plate, sterile with lid	Each	1000 No
14.	6-well plate, sterile with lid	Each	200 No
15.	48-well plate, sterile with lid	Each	500 No
16.	24-well plate, sterile with lid	Each	500 No
17.	Cryovials (01m/ / 02 ml)	Each	2000 No
18.	Glass Petri dishes (90 mm)	Pair	250 Pair
19.	Cover Slips (Sterile)	(25 pcs / pack)	02 packs
20.	Hemocytometer	Each	01 No
21.	Reserviors for multicehennel pippets	Each	500 No
22.	Autoclave tape	Each	02 No
23.	Glass Slides	(50 pcs / pack)	20 pack
24.	PCR tubes 0.2 ml,	(1000 pcs / pack)	05 pack
25.	Syringe filters 0.2micron 25mm, dia	(100 pcs / pack)	05 pack
26.	Gloves Medium powder free	(100 pcs / pack)	20 packs
27.	Gloves Large powder free	(100 pcs / pack)	20 packs

28.	Membrane Filter, 0.22 µm pore size	(100 pcs / pack)	05 packs
29.	Pipette (1000 µl) Gilson or Equivalent	Each	02 No
30.	Cryovials Rack	Each	05 No
	Chemicals		
	Name	CAS Number	Qty
31.	Uridine 5'-triphosphate trisodium salt hydrate (UTP)	19817-92-6 (anhydrous) or equivalent	01 gm
32.	Uridine 5'-diphosphate disodium salt hydrate(UDP)	27821-45-0 or equivalent	01 gm
33.	Suramin	129-46-4 or equivalent	0.5 gm
34.	TNP-ATP	120360-48-7 or equivalent	100 mg
35.	RO-3	1026582-88-6 or equivalent	100 mg
36.	NF449	389142-38-5 or equivalent	100 mg
37.	5-BDBD	768404-03-1 or equivalent	100 mg
38.	G 418 disulfate salt	108321-42-2 or equivalent	05 gm
39.	DMEM, powder, high glucose, (1×10 L)	12100-061, or equivalent	03 packs
40.	FBS (Fetal Bovine Serum), qualified (100mL)	10270-106 or equivalent	08 bottles
41.	Pen/Strep (Penicillin-Streptomycin) (10,000 U/mL) (100mL)	15140-122, or equivalent	05 bottles
42.	Trypsin (100 mL)	15-400-054, or equivalent	05 bottles
43.	Amphoterecin B (50 mL)	15290026, or equivalent	02 bottles
44.	Tris base	77-86-1 or equivalent	500 gm
45.	Sodium dodecyl sulfate	151-21-3 or equivalent	500 gm
46.	MTT Reagent	298-93-1 or equivalent	05 gm

Chemicals (Benzyl Halides)			
	Name	CAS Number	Qty
47.	Benzyl chloride	100-44-7 or equivalent	100 g
48.	Benzyl bromide	100-39-0 or equivalent	25 g
49.	4-(Trifluoromethyl)benzyl chloride	939-99-1 or equivalent	25 g
50.	3-(Trifluoromethyl)benzyl chloride	705-29-3 or equivalent	25 g
51.	2,4-Bis(trifluoromethyl)benzyl chloride	195136-46-0 or equivalent	25 g
52.	4- Bromobenzyl bromide	589-15-1 or equivalent	25 g
53.	4-(Trifluoromethyl)benzyl bromide	402-49-3 or equivalent	25 g
54.	4-(Trifluoromethoxy)benzyl bromide	50824-05-0 or equivalent	25 g
55.	4-Chlorobenzyl bromide	622-95-7 or equivalent	25 g
56.	3-Chlorobenzyl bromide	766-80-3 or equivalent	25 g
57.	2-Chlorobenzyl bromide	611-17-6 or equivalent	25 g
58.	2-Phenylbenzyl bromide	19853-09-9 or equivalent	25 g
59.	4-Phenylbenzyl chloride	1667-11-4 or equivalent	25 g
60.	4-Methylbenzyl chloride	104-82-5 or equivalent	100 g
61.	4-Methoxybenzyl chloride	824-94-2 or equivalent	25 g
62.	3-Methylbenzyl chloride	620-19-9 or equivalent	25 g
63.	4-Methylbenzyl bromide	104-81-4 or equivalent	25 g
64.	3-Methoxybenzyl bromide	874-98-6 or equivalent	25 ml
65.	4-Fluorobenzyl bromide	459-46-1 or equivalent	25 g
66.	2-Fluorobenzyl bromide	446-48-0 or equivalent	25 g
67.	4-Fluorobenzyl chloride	352-11-4 or equivalent	25 g

68.	4-Bromo-2-fluorobenzyl bromide	76283-09-5 or equivalent	25 g
69.	3-Iodobenzyl bromide	49617-83-6 or equivalent	25 g
70.	3,5-Dimethoxybenzyl bromide	877-88-3 or equivalent	25 g
71.	3-Bromobenzyl bromide	823-78-9 or equivalent	25 g
72.	2,6-Dichlorobenzyl bromide	20443-98-5 or equivalent	25 g
73.	2,5-Dichlorobenzyl bromide	85482-13-9 or equivalent	25 g
74.	2,5-Dimethylbenzyl chloride	824-45-3 or equivalent	25 g
75.	1-Bromo-2,4-dichlorobenzene	1193-72-2 or equivalent	25 g
76.	4-Nitrobenzyl chloride	100-14-1 or equivalent	25 g
77.	3-Nitrobenzyl chloride	619-23-8 or equivalent	25 g
78.	2-Nitrobenzyl chloride	612-23-7 or equivalent	25 g
79.	4-Methyl-3-nitrobenzyl chloride	84540-59-0 or equivalent	25 g
80.	4-Chloro-2-nitrobenzyl chloride	938-71-6 or equivalent	25 g
81.	2-Methyl-3-nitrobenzyl chloride	60468-54-4 or equivalent	25 g
82.	4-(Methylthio)benzyl bromide	38185-19-2 or equivalent	25 g
	(Phenyl Halides)		
83.	Phenacyl bromide	70-11-1 or equivalent	25 g
84.	Phenacyl chloride	532-27-4 or equivalent	100 g
85.	3-Trifluoromethylphenacyl chloride	439807-20-2 or equivalent	
86.	4-tert-Butylphenacyl chloride	21886-62-4 or equivalent	25 g
87.	4-(Trifluoromethoxy)phenacyl bromide	103962-10-3 or equivalent	25 g
88.	3'-Bromo-4'-fluorophenacyl bromide	435273-49-7 or equivalent	25 g
89.	2,4,5-Trifluorophenacyl bromide	193977-34-3 or equivalent	25 g

90.	2-Chloro-4-fluorophenacyl bromide	61397-54-4 or equivalent	25 g
91.	3-Hydroxyphenacyl bromide	2491-37-4 or equivalent	25 g
92.	3-Iodophenacyl bromide	61858-38-6 or equivalent	25 g
93.	2-Nitrophenacyl bromide	6851-99-6 or equivalent	25 g
94.	2-Bromophenacyl bromide	49851-55-0 or equivalent	25 g
95.	3-Methylphenacyl bromide	51012-64-7 or equivalent	25 g
96.	2,5-Dihydroxyphenacyl bromide	25015-91-2 or equivalent	25 g
97.	4-Hydroxyphenacyl bromide	2491-38-5 or equivalent	25 g
98.	3-Chlorophenacyl chloride	21886-56-6 or equivalent	25 g
99.	2,4-Dihydroxyphenacyl bromide	2491-39-6 or equivalent	25 g
100.	2,5-Difluorophenacyl bromide	258513-41-6 or equivalent	25 g
101.	3-Fluorophenacyl bromide	53631-18-8 or equivalent	25 g
102.	4-Fluorophenacyl bromide	403-29-2 or equivalent	25 g
103.	2,6-Difluorophenacyl bromide	56159-89-8 or equivalent	25 g
104.	4-Iodophenacyl bromide	31827-94-8 or equivalent	25g
105.	3-Bromophenacyl bromide	18523-22-3 or equivalent	25 g
106.	4-Chloro-3-nitrophenacylbromide	22019-49-4 or equivalent	25 g
107.	2,4-Dihydroxyphenacyl chloride	25015-92-3 or equivalent	25 g
108.	3-(Trifluoromethoxy)phenacyl bromide	237386-01-5 or equivalent	25 g
109.	3-Chloro-4-fluorophenacyl bromide	63529-30-6 or equivalent	25 g
110.	4-(Methylthio)phenacyl bromide	42445-46-5 or equivalent	25 g
111.	2,3-Difluorophenacyl bromide	886762-77-2 or equivalent	25 g
112.	2-Fluoro-4-methoxyphenacyl bromide	157014-35-2 or equivalent	25 g

113.	4-(Dimethylamino)phenacyl bromide	37904-72-6 or equivalent	25 g
114.	2,4,6-Trifluorophenacyl bromide	746630-36-4 or equivalent	25 g
115.	2-(Difluoromethoxy)phenacyl bromide	405921-09-7 or equivalent	25g
116.	2-Chloro-6-fluorophenacyl bromide	157359-99-4 or equivalent	25 g
117.	2-Chloro-5-fluorophenacyl bromide	76609-34-2 or equivalent	25 g
118.	3,5-Difluorophenacyl bromide	220607-75-0 or equivalent	25 g
119.	2,4-Difluorophenacyl bromide	102429-07-2 or equivalent	25 g
120.	5-Fluoro-2-hydroxyphenacyl bromide	126581-65-5 or equivalent	25 g
121.	2-Chloro-5-(trifluoromethyl)phenacyl bromide	79779-64-9 or equivalent	25 g
122.	2-Fluoro-3-(trifluoromethyl)phenacyl bromide	537050-11-6 or equivalent	25 g
123.	2-Fluoro-4-(trifluoromethyl)phenacyl bromide	537050-12-7 or equivalent	25 g
124.	2-Fluoro-5-(trifluoromethyl)phenacyl bromide	202664-36-6 or equivalent	25 g
125.	3,5-Bis(trifluoromethyl)phenacylbromide	131805-94-2 or equivalent	25 g
126.	4-(But-1-yl)phenacyl bromide	64356-03-2 or equivalent	25 g
127.	2,3-Dichloro-6-fluorophenacyl bromide	886762-53-4 or equivalent	25 g
128.	4-Fluoro-3-(trifluoromethyl)phenacyl bromide	537050-14-9 or equivalent	25 g
129.	9-methyl-9H-fluorene-9-carbonyl chloride	82102-37-2 or equivalent	25 g
130.	4-(3-Methyl-1,2,4-oxadiazol-5-yl)aniline	76635-31-9 or equivalent	25 g
131.	4-{4-[5-(Chloromethyl)-1,2,4-oxadiazol-3-yl]benzoyl}morpholine	1119452-68-4 or equivalent	25 g
132.	4-(5-Methyl-1,2,4-oxadiazol-3-yl)benzoyl chloride	222541-76-6 or equivalent	25 g
133.	3-[5-(Chloromethyl)-1,2,4-oxadiazol-3-yl]-4-methoxybenzoyl chloride	1119449-67-0 or equivalent	25 g

	Sulfonyl Halides		
134.	5-Methyl-2,1,3-benzoxadiazole-4-sulfonyl chloride	1152431-76-9 or equivalent	25 g
135.	5,7-Dimethyl-2,1,3-benzoxadiazole-4-sulfonyl chloride	1256643-55-6 or equivalent	25 g
136.	5-[5-(Chloromethyl)-1,2,4-oxadiazol-3-yl]-2-thiophenesulfonyl chloride	423768-39-2 or equivalent	25 g
137.	4-Fluorobenzenesulfonyl chloride	349-88-2 or equivalent	25g
138.	2-(2-trifluoromethylphenyl)-2-phenylethylsulfonylchloride	52218-37-8 or equivalent	25 g
139.	4-(Acetylamino)-1-naphthalenesulfonyl chloride	5690-20-0 or equivalent	25 g
140.	4-Phenoxybenzenesulfonyl chloride	1623-92-3 or equivalent	25 g
141.	4'-Fluorobiphenyl-4-sulfonyl chloride	116748-66-4 or equivalent	25 g
142.	5-formylamino-naphthalene-1-sulfonyl chloride	680618-20-6 or equivalent	25 g
143.	1-Decanesulfonyl chloride	7795-95-1 or equivalent	25g
144.	3-(4-Methoxyphenoxy)-1-propanesulfonyl chloride	118943-25-2 or equivalent	25 g
145.	4-[(dimethylamino)sulfonyl]benzenesulfonyl chloride	56512-49-3 or equivalent	25 g
146.	Thymidine 5'-monophosphate p-nitrophenyl ester sodium salt	98179-10-3 or equivalent	01 g

Equipment

S. No	Items Name	Specification	Qty
01	<p>Shaking Incubator</p> <p>(This equipment is should be with a platform for 4 plates. Compatible with all heights of micro-well plates, including deep well.</p>	<ul style="list-style-type: none"> • Speed range: 200rpm-1200rpm • Shaking orbit: 3mm (horizontal) • Temp control range: 5°C above ambient to 60°C • Temp stability @ 37°C: ≤±0.3 °C • Temp display accuracy: 0.1°C • Time range: 1min-99h59min or continous • Working Internal Dimensions (WxDxH): 328 x 270 x 190mm • Platform size: 281 x 214mm • External Dimension (WxDxH): 360 x 435 x 320mm • Weight: 18.7kgs • Voltage: AC110V, 50/60Hz • Power: 400W • Fuse: 250V,3A/5A, φ5x20 	01 No
02	<p>Inverted Phase Contrast microscope</p>	<ul style="list-style-type: none"> • Head: Binocular • Eyepieces: 10x Eyepieces • Nosepiece: 4 Position • Objectives: A 4x, A 10x PL Phase, LWD C A 20x PL Phase • Stage: Flat Top Stage • Condenser: N.A. 0.3 w/ CK40-SLP Phase Slider • Focusing: Coarse & Fine • Light Source: Halogen 	01 No