

Department of Genetics  
University of Delhi South Campus  
Benito Juarez Road, New Delhi-110021

Ref No-UDSC/GENETICS/BKT/03

Date: 19.02.2021

Quotations are invited through e-procurement for the following items so as to be submitted latest by 05.03.2021

Specifications and Technical Details

To evaluate the Efficacy Parameters of test compounds as per treatment groups mentioned below in DBA1/J male mice (imported from a reputed laboratory in USA)

<b>Technical specification of reagents/test items:</b> Test compounds procured from certified supplier(s) with manufacturer details along with Material Safety Data Sheets and Safety instructions will be supplied by the sponsor to the test site for testing purpose.	
<b>Regulation Status</b>	For research use only (RUO)
<b>Study type</b>	Efficacy study under non-GLP-compliant conditions
<b>Quantity</b>	Requisite quantities will be provided by the sponsor
<b>Hazardous</b>	No
<b><u>Study Design/Analysis (Efficacy study)</u></b>	
Studies to be conducted on <u>collagen induced arthritis in DBA1/J male mice (CIA)</u>	
<b><u>Source of animals: Should be imported from a reputed laboratory in USA</u></b>	
<b>Treatment Groups (n= ~12 per group)</b>	
Total 07 groups will be considered for the study, as required the treatment groups will be modified by University. However, total number of groups will remain same with n=~12 each.	
<ol style="list-style-type: none"><li>1. Treatment 1</li><li>2. Treatment 2</li><li>3. Treatment 3</li><li>4. Treatment 4</li><li>5. Treatment 5</li><li>6. Treatment 6</li><li>7. Treatment 7</li></ol>	
● Please note that test reagents will be provided by the sponsor.	

*Jhelma Bhatt*

The following efficacy studies are to be conducted under non-GLP-compliant conditions along with analysis of data:

**i) Clinical score**

Symptom assessment

Paws and joints of both fore and hind limbs need to be evaluated and

Photographic documentation at the end of study to be provided from set of animals (n=6)

**ii) Terminal parameters**

**Antibody titers:**

Serum immunoglobulins IgG1 & IgG2a , n=12

**Serum cytokine levels: n=6**

ELISA, IL6, TNF alpha, IL1 $\beta$  and IL17

**Histopathology**

1. Histopathology of joint (with some bones (n=3) to be shipped to sponsor for additional analysis) , n=6
  - Joint histopathological score
  - Joint proteoglycan loss
2. Histopathology of liver, lung, spleen, kidney and heart with photographic documentation , n=6

**Other Requirements**

- i) Study protocol should be provided along with parameters to be monitored
- ii) Part of tissue specimens (n=3) (same as used for histopathology to be frozen in RNA later solution (which will be provided by the sponsor) for RNA work later to be shipped to sponsor ; and
- iii) Blood or tissues from one or two animals for DNA isolation to be stored and provided to the sponsor.

**Route of administration**

Intraperitoneal or peroral for compounds as the case may be.  
Drug administration route and dosage details to generate may be provided based on prior experience

**Study Timeline**

Work should be completed in approximately four and half months but not exceeding five months from the date of signing of work order (\* subject to availability of mice at source) (Breakup of timeline for various aspects of the study may be provided to enable technical assessment)

**Despatch of Reports/ Certificate**





Complete experimental details along with results (hard and soft copies) should be shared with proper justification

**Eligibility Criteria:-**

- The Bidder shall provide the Registration number of the firm along with the LST/ CST/ WCT No. and the PAN Number issued by the concerned authorities.
- **Separate technical and price bids should be uploaded.**
- The technical bid should mention the time necessary for each experiment.
- Technical Bid must contain a Technical Compliance sheet with details of experimental protocols and methods to be followed for the efficacy studies. Any published catalogue/experimental protocol/manufacture website as proof for compliance, if available, should be provided for each technical point.
- Price Bids should contain the prices, terms of delivery, sales, payment terms etc.
- **Only companies located in India**
  - i)with direct experience in similar work and with CIA DBA I/J mice (imported from USA with evidence of import) in the last three years and with appropriate evidence; list of users/customers to be provided by the company along with the technical details.
  - ii)who can fulfill this work all inclusive within maximum five months from the date of order;
  - iii)who accept the penalty clause of non-payment of 25% of the total cost by the sponsor in case of non-compliance to study design and time line **need apply.**
- The bidder must not be blacklisted by Delhi University. A Certificate or undertaking to this effect must be submitted.

**No Commitment to Accept Lowest or Any Tender:**

- University of Delhi shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers. University of Delhi will not be obliged to meet and have discussions with any vendor, and or to listen to any representations.

**Other criteria for consideration:**

- Track record and technical skills/expertise based on projects completed as per documents provided would also be considered.
- The study will be audited by the sponsor anytime during the entire duration of the project.

**Price Quotation:-**

- **Comprehensive price (INR) to be quoted which includes all necessary pricing and taxes as applicable. CDEC or GST certificate will be provided, if needed.**



- Phased payment terms to be made through the project duration may be mentioned but will only be finalised after discussion with the selected party.

**The supplier should provide tender through e-procurement site before the submission deadline.**

**Prof. Thelma BK (Team leader, DBT-COE Project)  
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*Thelma BK*  
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