

User access at the National Deuteration Facility

The National Deuteration Facility

The National Deuteration Facility offers access to deuterated molecules prepared by both *in vivo* biodeuteration and chemical deuteration techniques.

An extensive product list is available at www.ansto.gov.au/ndf, or can be supplied via email. Please make contact via ndf-enquires@ansto.gov.au if you would like further information on particular capabilities or available molecules.

There are three modes of access to NDF facilities.

1. Merit based user access

Access to the NDF is most commonly via merit-based proposals.

Dates & submission: Calls for applications close in March and September of each year. Proposals are submitted via the [Australian Centre for Neutron Scattering Customer Portal](#).

Approval & conditions: Proposals are reviewed by a committee and ranked based on scientific merit. The criteria for this mode is that deuterated molecules are to be used for experiments in Australia. Co-authorship on publications is required.

Costs: If successful you will receive a grant (no costs) for the deuterated molecule and the beam time (if applicable). There may be some cost recovery negotiated for: multiply-labelled proteins; where there are high costs or shipping; or when there are a large number/quantity of material/s requested.

Delivery: The time-frame for delivery of the materials is via negotiation, however, proposals are usually submitted for commencement in the next 6 month block (i.e. March submission for July commencement, September for January commencement).

2. User pays/collaboration mode of access

Dates & submission: This mode is for proposals outside the regular user program round.

Approval & conditions: Submission of a short proposal is required to allow for internal assessment. Co-authorship is also expected for this access mode.

Costs: NDF can by negotiation provide deuterated materials under a user pays/collaboration arrangement, where there is 50% cost recovery of materials and labour are involved. Proposals from applicants in countries other than Australia will be subject to a cost recovery fee unless the molecules are for use in experiments in Australia.

Delivery: dates are by negotiation.



3. Commercial access

Dates & submission: Enquires accepted at any time. NDF will internally manage any proposal submission under this mode.

Approval & conditions: Approval is by NDF Leader discretion. NDF acknowledgement on any publications is requested.

Costs: Full cost recovery.

Delivery: dates by negotiation.

Certificate of analysis

For successful proposals, NDF will synthesise and provide the requested deuterated molecules or materials, provide chemical and biological advice and provide the appropriate analyses for the produced deuterated product (e.g., certificate of analysis). Figures/experimental data will also be provided for manuscripts where co-authorship has been negotiated.

Acknowledgement

The National Deuteration Facility is partly supported by the [National Collaborative Research Infrastructure Strategy](#) – an initiative of the Australian Government.

Key contacts

Enquiries and requests for quotations are welcomed. It is helpful to make contact to discuss your request for deuterated materials and for assistance and support in the proposal submission process.

ndf-enquiries@ansto.gov.au

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