

# Apply for samples and data from NOBIDA!

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- Do you need a selection of samples from a well-defined group of reference individuals?
- Do you need a substantial set of background data – other than age and gender?
- Do you want metrological traceable values?

Yes? – Consider applying to NOBIDA

The Nordic Reference Interval Project Biobank and Data base (NOBIDA) has been defined by NFKK as a project to compile the data, reference samples and control materials used by the Nordic Reference Interval Project 2000 (NORIP).

## Purposes

The project aims to contribute to any reasonable project for the development of the clinical area in general, and in particularly to:

- Establish new reference intervals for various biochemical components, i.e. to extend the work of NORIP.
- Establish or verify traceability for measurement systems to the reference intervals found in NORIP. This can be done by use of the NFKK Reference Serum X .
- Study associations between biochemical variables and phenotypic traits and environmental influences.
- Study associations between biochemical variables and genotypes (by use of the buffy coat samples)
- Store new information related to the reference samples, reference intervals and NFKK Reference Serum X.

What do we have?

## Reference samples

From each reference individual there are 7 vials of 1 mL serum, 2 vials of 1 mL Li-heparin plasma and 1 vial of 1 mL buffy coat. If all laboratories registered in the biobank have submitted all requested

samples, there are a total of approximately 28.000 reference samples.

## Control materials

Certified Reference Material:

- NFKK Reference Serum X: 2.484 vials of 5 mL

Reference materials used as controls in NORIP:

- NFKK Reference Serum P: Ca. 300 vials of 2,5 mL and about 1.650 mL in bulk.
- NFKK Reference Serum HIGH: 303 vials of 2,5 mL and about 1.400 mL in bulk.
- NFKK Reference Serum LOW: About 300 vials of 2,5 mL LOW and about 1.400 mL in bulk.

## Data

- About 125.000 reference values from about 3.000 reference individuals for 25 of the most commonly requested quantities in clinical biochemistry: alanine transaminase, albumin, alkaline phosphatase, amylase, amylase pancreatic, aspartate transaminase, bilirubins, calcium, cholesterol, creatine kinase, creatininium,  $\gamma$ -glutamyltransferase, glucose, HDL-cholesterol, iron, iron binding capacity, lactate dehydrogenase, magnesium, phosphate, potassium, protein, sodium, triglyceride, urate and urea (carbamide).
- About 75.000 measurement values for the same quantities in the control materials mentioned above.
- Detailed information on each reference individual and measurement system.

## Charges

Samples and extracts from the database can be obtained for free, but it will be necessary to also request Reference Serum X, High, Low and P to be measured along with the reference samples.

The current prices are shown in the table below.

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**Sweden:** Ortho-Clinical Diagnostics, Johnson & Johnson AB, Staffans väg 2,  
S-191 84 Sollentuna, Sweden. Tel: + 46 8 626 2200



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<b>Reference materials</b>	
1 vial of NFKK Reference Serum X	DKK 900
1 vial each of NFKK Reference Serum X, High, Low and P	DKK 2.100
Reference samples, 3 vials X, 1 vial each of High, Low and P	DKK 6.000

The prices are ex VAT and shipping costs, but including administration fees etc.

All except the last set are ordered from the national external assessment organisation (Denmark: DEKS, Finland: Labquality, Iceland: ISML, Norway: NKK, Sweden: EQUALIS). The set with reference samples and control materials are shipped from DEKS if the application to NOBIDA is granted.

### Background

The samples and control materials are stored in a biobank run by DEKS at Herlev University Hospital, Herlev, Denmark. The database is run by Pål Rustad at Furst Medical Laboratory, Oslo, Norway.

NFKK has appointed a NOBIDA committee to handle applications for samples and data. The members are Ulrik Gerdes, Århus; Jón Jóhannes Jónsson,

Reykjavik; Veli Kairisto, Turku; Arne Mårtensson, Uppsala; Pål Rustad (chairman), Oslo.

Information on NOBIDA and application form for data and samples are available at the NORIP home site - <http://furst.no/norip> and questions about NOBIDA will be answered by Pål Rustad (E-mail: [prustad@furst.no](mailto:prustad@furst.no), telephone: +47 22909554).

### References

1. Nordic Reference Interval Project Bio-bank and Database (NOBIDA): a source for future estimation and retrospective evaluation of reference intervals. Rustad P, Simonsson P, Felding P, Pedersen M. *Scand J Clin Lab Invest* 2004; 64, 431-438



*Island. Foto: Ingunn Torsteinsdottir.*