OFSEP biobank: high quality samples for powerful research on MS biomarkers

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OFSEP, the French MS registry

OFSEP, the French MS registry, is a national cohort of more than 60 000 patients with multiple sclerosis (MS) and related desorders, granted in 2011 for a ten-year tenure by the French National Research Agency (ANR).
The OFSEP's biobank aims to provide research high quality biological samples from MS patients, associated to clinical and radiological data.

Selected groups of patients are currently sampled:

- Clinical Isolated Syndromes (CIS),
- Radiologically Isolated Syndromes (RIS),
- Primary progressive MS (PPMS),
- NeuroMyelitis Optica Spectrum Disorders (NMOSD),
- Acute Disseminated EncephaloMyelitis (ADEM)
- Progressive Multifocal Leukoencephalopathy (PML).

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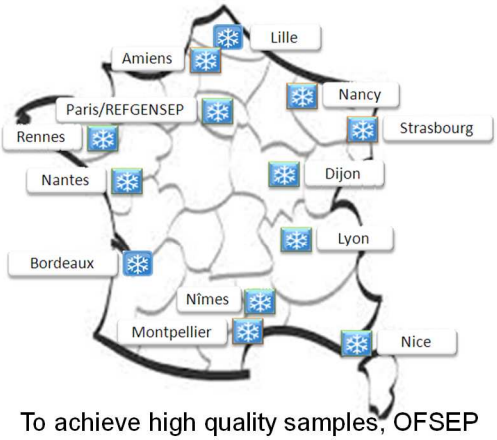
Blood and urine collection are mandatory, Cerebrospinal fluid and stool are optional.

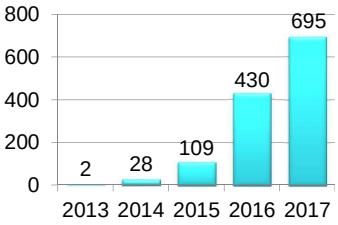


To achieve high quality samples, OFSEP relies on 13 French biobanks certified according with the NF S96-900 norm.

18 580 samples (*01/10/2017*):

- Serum
- EDTA plasma,
- DNA,
- PBMC (Peripheral Blood Mononuclear Cells),
- Urine,
- CSF,
- CSF cells,
- Stool

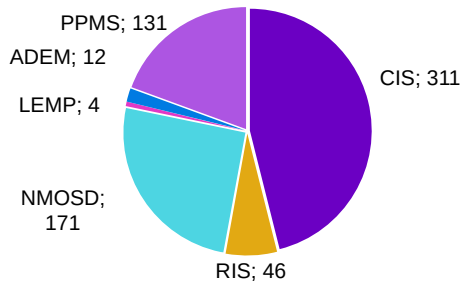
✓ Freezing delay < 4h (24h for PBMC)
✓ Sterile conditions
✓ Highly secured freezing.



Sample type	Number of patients
Blood	682
Urines	614
CSF	321
Stool	8

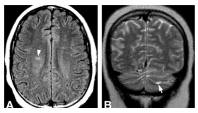
OFSEP's biobank, associated with EDMUS data and MRI data, provides the opportunity to achieve high level research on MS biomarkers.

Number of patient included and clinical form distribution



A control of the diagnosis and the respect of inclusion criteria is done using EDMUS clinical data and when necessary by expert groups (RIS and NMOSD).

See also :
- EP1555 on MRI OFSEP protocol
- P335 session 1 on OFSEP patient's



Biological samples and associated data are open to academic and industrial research.

How to submit a project?

To submit a project, you just have to go to our website and follow the instructions:
http://www.ofsep.org/en/data-access

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