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C. BOURDIN	D. ENGERAND	ME. NAUD	O. ROUALDES	
C. BOUZ	M. GARCIA	M. NOUCHY	S. SNAOUDJ	
E. CART-TANNEUR	A. GAUTHIER	G. PANTEIX	A. SOARES	
C. COIGNARD	B. GERARD	L. PELLEGRINA	L. STROMPF	

AUTHORIZATIONS : Prenatal diagnostic activities ; Cytogenetic analyses, including molecular; Molecular genetics analyses ; Analyses for the diagnosis of infectious diseases, including molecular biological analyses ; Biochemical analyses including analyses of maternal serum markers ; Examinations of a person's genetic characteristics or identification by genetic fingerprinting ; Biological activity measurements for medically assisted conception ; Authorization to hold and / or use ionizing radiation sources for nuclear medicine purposes.

File n° : 20914 **53312-25.06.25**

Registered on 25 June 2025, at 10h48

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Referred by : BIOMNIS TEST DOC PROCESS COMPAGNIE

Your reference n° : **X**

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Tests results for : **Ms TEST, TEST**

Date of birth 01 January 2000, age 25 years old

Specimen dated **25 June 2025**


ACCREDITATION
N° 8-1100
A list of accredited sites
and holders are available
on www.cofrac.fr

Only the results identified by the symbol # are covered by the accreditation.

ENVIRONMENTAL TOXICOLOGY

■ PFAS - Per- and polyfluoroalkyl compounds - serum (LCMSMS)

● PFOA (linear) - CAS : 335-67-1	34,00	µg/L
● PFNA - CAS : 375-95-1	< 0,10	µg/L
● PFDA - CAS : 335-76-2	< 0,10	µg/L
● PFUnDA - CAS : 2058-94-8	< 0,10	µg/L
● PFHxS (linear) - CAS : 355-46-4	< 0,10	µg/L
● PFHxS (branched) - CAS : 355-46-4	< 0,10	µg/L
● PFHxS total	5,00	µg/L
● PFOS (linear) - CAS : 1763-23-1	30,00	µg/L
● PFOS (branched)- CAS : 1763-23-1	15,00	µg/L
● PFOS total	23,00	µg/L
● NMeFOSAA (linear) - CAS : 2355-31-9	< 0,10	µg/L
● NMeFOSAA (branched)- CAS : 2355-31-9	< 0,10	µg/L
● NMeFOSAA total	0,08	µg/L
● Sum 7 PFAS	23,00	µg/L

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Ms TEST TEST

Birth date : 01 January 2000
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Results (continued)

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ENVIRONMENTAL TOXICOLOGY (continued)

PFAS - Per- and polyfluoroalkyl compounds - serum (LCMSMS) # (continued)

To date, there are no TRVs - toxicological reference values for PFAS in human blood, establishing a relationship between quantity of chemical substance and an adverse effect or a probability of an effect occurring.

PFAS levels are proposed to be interpreted in relation to exposure values established by German and American organizations, based on epidemiological studies.

The German Human Biomonitoring Commission (HBM) has established human biomonitoring values (HBM) for PFOA and PFOS: one of the threshold values represents the value below which no risk of adverse health effects is expected (HBM-I), and the other the value above which adverse health effects are possible (HBM-II).

For PFOA, HBM-I is 2 µg/L, and HBM-II is 10 µg/L.

For PFOS, the HBM-I value is 5 µg/L, and HBM-II is 20 µg/L.

For several years now, the United States have been studying the impregnation of its population with various molecules, including PFAS (NHANES study). The data collected has enabled NASEM (National Academies of Sciences, Engineering, and Medicine) to establish threshold values for a sum of the 7 main PFASs, with: no health effects expected below 2µg/L, possible effects between 2 and 20µg/L, and potentially an increased risk of adverse effects if the sum exceeds 20 µg/L.

These 7 PFAS are : PFOA, PFNA, PFDA, PFUnDA, PFHxS, PFOS, NMeFOSAA.

For other compounds, the results of currently available studies are not sufficiently representative to use the values as references.

The indicative values presented are based on risks, not on the certainty of an impact of these molecules on health. The results should therefore be interpreted with caution in the context of documented exposure of the individual tested.

François CORNU

Final report

The presentation of our results has changed : from now on, the phrase "authorised by" appears underneath the test name and result and is followed by an electronic version of the pathologist's signature.