

‘What are my samples used for?’



Sample Types

First off, thank you for your contribution to our research. Each sample is vital to learning more about liver health in your environment.

We think about your samples in two types; biological (blood, urine, and saliva) and environmental (water, soil, wristband, hand wipe, and floor wipe). Here is a little more information about what each sample can be used for to show you why they are all so important to us.

Environmental



These 3 samples are all used to test for environmental exposures, or contaminants.

Wristbands can measure recent exposures from the air during the time they were worn.

Hand wipe



We use this to see which chemicals you may have been in contact with.

Floor wipe



This tells us about environmental contaminants that could be in your household.

Biological

Each blood tube we collect can be used for something separate, because we can get different parts of the blood from each one. Below are the different parts we can get from each tube.



- Serum
- Erythrocytes



- Plasma
- Erythrocytes
- Leukocytes



- Whole blood



- Plasma
- Whole blood
- Erythrocytes
- Leukocytes

Here is what each part can be used for:

Erythrocytes

- micronutrients
- exposures

Serum

- hormones
- proteins
- enzymes
- exposures

Whole blood

- metal
- exposures
- vitamins
- chemical
- exposures

Plasma

- hormones
- proteins
- enzymes
- exposures

Leukocytes

- DNA

Saliva can be used to get DNA. This can help us figure out if genetic changes, or changes to your DNA, happen because of your environment and could be impacting your liver health



From urine, we can measure exposures and metabolites.

Metabolites are in-between parts of the chemical process that happen in your body. These can tell us a lot about what is going on with your body and health.



Thank you!



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