

Human Micronucleus Analysis

Measuring DNA Damage in Red Blood Cells

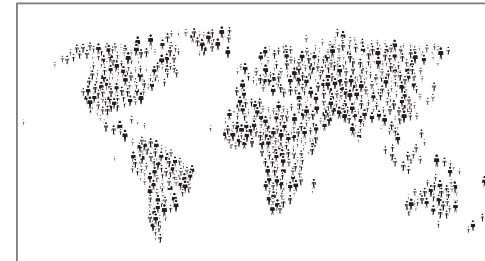


The Micronucleus Test

Exposure to a test substance can result in damage to the chromosomes or spindle apparatus of cells. During routine cell division, this type of damage can create a smaller 'micro'-nucleus, apart from the main nucleus. When red blood cells mature the main nucleus is expelled. Micronuclei remain behind and can easily be seen in a cell with no other DNA. This makes red blood cells ideal for measuring this endpoint. In human blood, these 'micronuclei' are sometimes referred to as Howell-Jolly Bodies (HJB).

Disclaimer

MicroFlow analysis of human blood is for Research Use Only (RUO) and has not been approved, cleared, validated or intended for clinical diagnostic use or to serve as a basis for individual patient management.



FEATURES

- **Requires Minimal Amounts of Blood**
Collect approximately 120 µl of blood per sample.
- **Takes Advantage of Magnetic Columns**
Enrich samples by separating young and old RBCs.
- **Includes Calibration Standards**
Malaria Biostandards ensure proper flow cytometric setup.
- **Analysis by Flow Cytometry**
Automated scoring provides objective and reproducible data.

BENEFITS

- **Easily Integrate with Existing Studies**
Use with epidemiological studies or clinical trials.
- **Measure Very Rare Events**
This the first time this endpoint has been available for routine use!
- **Provides Reproducible Data**
Calibration standards ensure confidence in your results.
- **Fast Turn Around, Reliable Results**
Get your data as soon as possible using laser-based technology.

INVESTIGATE POPULATION TRENDS

- Clinical Research
- Environmental exposure
- Post-market surveillance
- Workplace safety
- Other epidemiological studies

I WANT TO MEASURE MICRONUCLEI IN HUMAN BLOOD. CAN YOU HELP ME?

Yes. Blood samples can be shipped to us for flow cytometric analysis. For more information, please contact us.