

In Vivo Mutation Analysis

Measuring DNA Damage at the *Pig-a* Locus

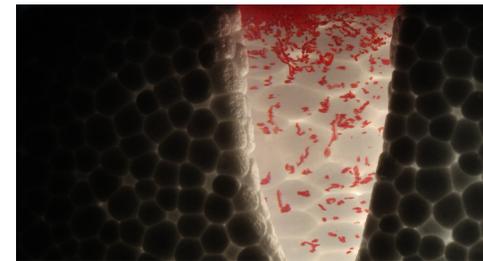
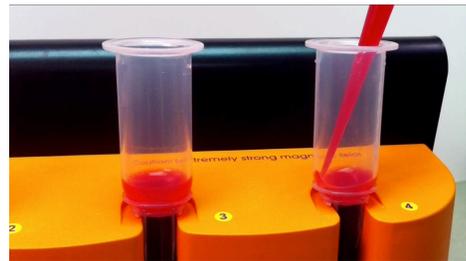


The *In Vivo Pig-a* Gene Mutation Test

This test detects mutations at the *Pig-a* gene. These mutations prevent GPI anchors from forming. Without these anchors, specific markers on the exterior of cells will not be present. This assay measures the frequency of cells without these surface markers, also known as “*Pig-a* mutant cells”.

MutaFlow Kits

In Vivo MutaFlow kits use flow cytometry to quickly and reproducibly measure *Pig-a* mutant cells. Samples may be shipped to Litron, or you can analyze them yourself with your own in-house flow cytometer.



FEATURES

- **Use Any Mouse or Rat Strain**
Mutation data are now easy to obtain and afford.
- **Magnetic Separation**
Enrichment increases the number of RETs analyzed per sample.
- **Compatible With Most Flow Cytometers**
May also be used with automated samplers.
- **QC'd Kits, Unlimited Technical Support**
Everything you need to successfully perform the method is included in the box or available for download!

BENEFITS

- **Routine Mutation Data Now Possible**
No transgenic animals required. This is the first method that allows *in vivo* mutation to be routinely measured!
- **Acquire Information Quickly**
Score several million RETs in just a few minutes, and obtain data from up to 50 samples in one day!
- **Establish Method In-House**
Automated, walk-away analysis can significantly decrease time at the flow.
- **Feel Confident**
Speak with the scientists who developed this method. Send plots, email, or call with questions!

SPECIES AND COMPARTMENTS

- Rat blood
- Mouse blood
- For other species, please inquire

ADVANTAGES OF PERIPHERAL BLOOD

- Allows each subject to be sampled multiple times
- Easily integrates into existing toxicology studies
- Requires very low sample volumes
- Reduces the number of animals in your studies