Renal Function **Test**

AXINON® GFR(NMR)

The *AXINON*® GFR(NMR) test helps improve the accuracy of estimated glomerular filtration rate (eGFR). The assay combines two novel biomarkers, valine and myo-inositol, with creatinine and cystatin C using highly accurate nuclear magnetic resonance (NMR) spectroscopy.

AXINON® GFR(NMR)*

- **Improves Accuracy**
  - More closely correlates with measured GFR (mGFR) compared to traditional GFR equations
- **Overcomes Bias**
  - Accounts for non-renal factors, i.e., comorbidities, age, race, BMI and muscle mass
- **Provides a Clearer Picture of GFR Status**
  - Increases accuracy and confidence in kidney function assessment
- **Uses Exploratory Biomarker Mining**
  - Enhances personalized medicine research

*AXINON® GFR(NMR) is available as a CE-labeled in vitro diagnostic product in the European Union
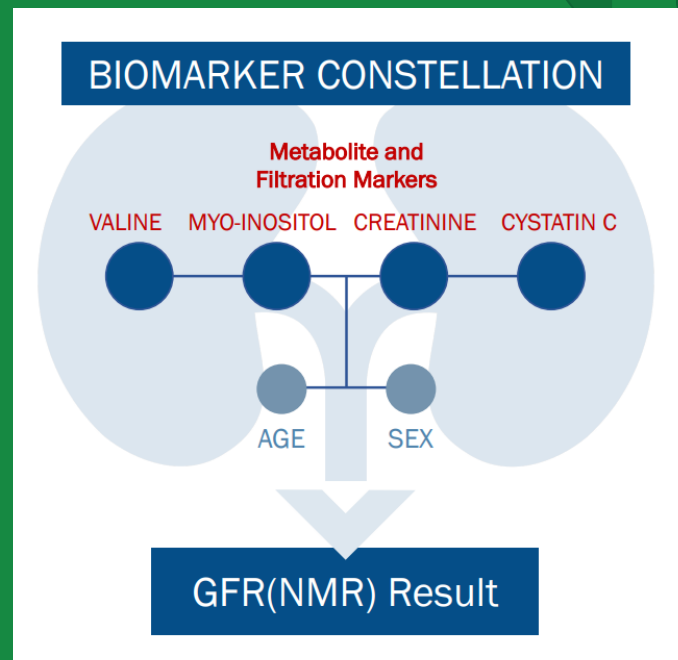
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AXINON® GFR(NMR) Technology

Nuclear magnetic resonance (NMR) spectroscopy is a proven and highly accurate test technology that assesses a variety of compounds at a molecular level. For GFR(NMR), the generated signals from serum samples correspond with concentrations of the targeted metabolites, with results reported in mL/minute/1.73 m^2.

AXINON® GFR(NMR) Biomarker Constellation

The *AXINON®* GFR(NMR) "biomarker constellation" combines new NMR-measured metabolite biomarkers, valine and myo-inositol, with creatinine, cystatin C and demographic information.

A single result from this constellation generates a more accurate GFR result compared to standard eGFR equations.

BIOMARKER CONSTELLATION

Metabolite and Filtration Markers

VALINE   MYO-INOSITOL   CREATININE   CYSTATIN C

AGE   SEX

GFR(NMR) Result

For more information, contact Dan Lindsay:
+1 818.606.4125 or Dan.Lindsay@numares.com

Share your opinion about current kidney function assessments (takes about one minute). Scan the QR code below.

www.numares.com

SELECTED PUBLICATIONS
Meeusen J, Stämmler F, Dasari S, et al. (2022). Front. Med. 9:988989.
Fuhrmann M, Santamaria A, Scott, R, et al. (2022). Diagnostics 2022, 12(5), 1120.
Stämmler F, Grassi M, Meeusen JW, et al. (2021). Diagnostics (Basel). 2021 Dec 7;11(12):2291.
Ehrich J, Dubourg L, Hansson S, et al. (2021). Diagnostics (Basel). 2021 Feb 3;11(2):234.

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