



## Technical Information

### $\alpha$ -GST EIA, human serum & plasma

#### Liver Injury Biomarker

#### FOR RESEARCH USE ONLY

#### Not for use in Diagnostic Procedures

Cat. No.: TE1051  
Tests: 96  
Method: **ELISA**  
Range: 2.5 - 80  $\mu$ g/L  
Sensitivity: 1.9  $\mu$ g/L  
Incubation time: 2 h

Sample volume: 100  $\mu$ L (Suggested initial dilution 1:5)

Sample type: Serum or Plasma

*Contact us for assay applications in cell culture.*

Sample storage: Centrifuge sample within 3 hours of collection and transfer from the original tube for storage. Samples can be stored at 20 – 25 °C for up to 48 hours, at 2 – 8 °C for up to one week or at -20 °C for >1 year. Avoid repeated freeze/thaw cycles of samples.

Reference values: 0 - 12  $\mu$ g/L (N=120)

*It is recommended that each laboratory establish its own reference range.*

Species: Human

Cross reaction: No cross-reactivity was observed with  $\mu$ GST at 500  $\mu$ g/L or  $\pi$ -GST at 500  $\mu$ g/L

#### Interference:

No significant interference has been observed in this assay with lipemic, hemolytic or icteric samples.

Refer to package insert for specifications.

#### Intended research use:

- $\alpha$ -GST is a member of the glutathione S-transferase (GST) superfamily of small cytosolic proteins primarily involved in cellular detoxification reactions. It is found in high (2-5%) concentrations in hepatocytes. Studies indicate that upon liver injury it is rapidly released from hepatocytes, correlating with increased concentrations in serum and plasma.
- For research studies related to acute liver injury. Assay is complimentary to CK18, HA & Collagen IV EIAs, making it well-suited for a biomarker panel researching liver injury.

For more information please contact:

#### Headquarters/Switzerland

##### TECOmedical AG

Gewerbestrasse 10  
4450 Sissach

Phone + 41 (0) 61 985 81 00

Fax +41 (0) 61 985 81 09

info@tecomedical.com



#### US/Canadian Partner Diapharma Group, Inc.

8948 Beckett Road  
West Chester, OH 45069

Phone +1 800 526 5224

Fax +1 513 860 9635

info@diapharma.com

www.diapharma.com