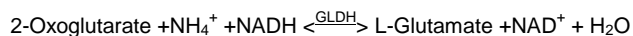


REFERENCE RANGE *(U/L)

| | |
|-------|-----|
| Men | ≤ 7 |
| Women | ≤ 5 |

* It is recommended that each laboratory establishes its own normal range.

TEST PRINCIPLE



Glutamate Dehydrogenase catalyzes the reduction of oxoglutarate and the simultaneous oxidation of NADH to NAD.

The resulting rate of decrease in absorbance is directly proportional to GLDH activity.

PERFORMANCE CHARACTERISTICS

LINEARITY

The assay is linear up to 120 U/L.

Above this concentration, dilute the sample with NaCl (9 g/L sodium chloride in water) and reassay multiplying the result by the dilution factor.

PRECISION (at 37°C)

| Intra-assay n = 20 | Mean [U/L] | SD [U/L] | CV [%] |
|-----------------------|---------------|-------------|-----------|
| Sample 1 | 6.18 | 0.43 | 6.98 |
| Sample 2 | 16.1 | 0.49 | 3.02 |
| Sample 3 | 33.2 | 0.80 | 2.40 |

| Inter-assay n = 20 | Mean [U/L] | SD [U/L] | CV [%] |
|-----------------------|---------------|-------------|-----------|
| Sample 1 | 5.77 | 0.51 | 8.78 |
| Sample 2 | 18.3 | 0.39 | 2.11 |
| Sample 3 | 32.0 | 0.78 | 2.43 |

METHOD COMPARISON

A comparison between Dialab GLDH, DGKC (y) and a commercially available reagent according to DGKC (x) using 76 samples gave following results:

$$y = 1.034 x + 0.006 \text{ U/l}; r = 0.999$$

QUALITY CONTROL

All control sera with GLDH values determined by this method can be used.

We recommend:

| REF | Cont. | | |
|--------|-----------|----------|--------------------------------|
| D98481 | 12 x 5 ml | DIACON N | Assayed Control Serum Normal |
| D98482 | 12 x 5 ml | DIACON P | Assayed Control Serum Abnormal |

CALIBRATION

The use of a GLDH Calibrator is optional.

We recommend:

| REF | Cont. | | |
|--------|----------|-------------|---------------------------------|
| D98485 | 5 x 3 ml | DIACAL AUTO | Assayed Multi Calibration Serum |

AUTOMATION

Special adaptations for automated analyzers can be made on request.

WARNINGS AND PRECAUTIONS

1. The reagents contain sodium azide (0.95 g/L) as preservative. Do not swallow! Avoid contact with skin and mucous membranes.
2. Take the necessary precautions for the use of laboratory reagents.

WASTE MANAGEMENT

Please refer to local legal requirements.

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