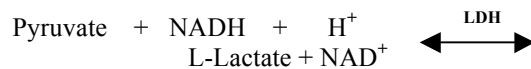


# LDH

**Liquid Reagent**  
**Kinetic determination. SFBC**  
**Store at 2-8 °C**

## PRINCIPLE

Kinetic determination of the lactate dehydrogenase according to the SFBC recommendations by the following reaction:



## REFERENCE VALUES

	25°C	30°C	37°C
Adult	< 240 U/l	< 330 U/l	< 480 U/l
Children	< 500	< 690	< 1000

It is recommended that each laboratory should assign its own normal range.

## SAMPLES

Serum free of hemolysis or heparinized or EDTA plasma. LDH in sample is stable for 1 day at 2-8°C.

## REAGENTS

Concentration in the test A+B :

Tris buffer	50 mmol/l
NADH	0.18 mmol/l
Pyruvate	0.6 mmol/l

## PREPARATION OF WORKING REAGENT

Reagent A and B are ready to use. If a monoreagent procedure is preferred then the reagent must be mixed in the ration 4 parts of A to 1 part of B. The working reagent is stable for one month at 2-8°C

## PROCEDURE

Wavelength	340 nm
Temperature	25°C/30°C/37° C
Zero adjustment	Air or distilled water
Cuvette	1 cm light path
Method	Kinetic - decreasing

If the absorbance of the working reagent is lower than 1.0 at 334 nm the reagent can not be used.

Sample	20 µL
Working reagent	1.0 ml

Mix and after a 1 minute incubation, measure the change of optical density per minute ( $\Delta$  O.D/min.) for 3 minutes.

## CALCULATION

$$\text{U/L} = \Delta \text{ O.D/min} \times \text{F}$$

$$340 \text{ nm} \quad \text{F} = 8095$$

## LINEARITY

If there is not any kinetic or if  $\Delta$  O.D/min. exceeds 0.1 at 334-340 nm at 25°C, or if  $\Delta$  OD/min. exceeds 0.05 at 366 nm, repeat test using serum diluted 1/5 or 1/10 with physiological saline.

## SPECIFICATION

Bilirubin 0.15g/l, lipid 10g/l, glucose 3g/l and ascorbic acid 0.45g/l do not interfere with the assay up to the given levels

## NOTES

Solution 1 contains sodium azide, avoid ingestion or contact with skin.

## PRESENTATION

50 ml	Cat No 2401	60 Tests
180 ml	Cat No 2402	180 Tests

## BIBLIOGRAPHY

Z. Klin. Chem. U. Klin. Biochem, 1970, 8,658, 1972,10, 182.

## The following symbols are used on labels



For in vitro diagnostic use



Use day (last day of the month)



Temperature limitation



Batch code



Code