



ADENOSINE DEAMINASE (ADA) TEST KIT

LIQUID STABLE ASSAY

USA: For Research Use Only

EU:  

ADA IS A SENSITIVE AND SPECIFIC MARKER

- ADA is widely distributed in human tissues, with the highest activities found in T-Lymphocytes, Monocytes and Macrophages
- Its main physiological activity is related to lymphocytic proliferation and differentiation
- ADA has great clinical utility as a marker for cellular immunity and cell-mediated hypersensitive reactions

ANALYTICAL ADVANTAGES

- Diazyme's ADA assay kit has significant advantages over the older Giusti and Galanti method
- Fully liquid stable formulation
- Can be run either manually or on open automated chemistry systems

PROVEN PERFORMANCE

- Diazyme's ADA assay kit has appeared in multiple journal articles with its performance evaluated on numerous automated platforms in developed and developing countries

“CONCLUSIONS: The Diazyme ADA assay on the Cobas® 6000 system represents a rapid, accurate, precise and reliable method for determination of ADA activity in pleural fluid samples.”

Analytical performances of the Diazyme ADA assay on the Cobas® 6000 system Hervé Delacour, Christophe Sauvanet, Franck Ceppa, Pascal Burnat Clin Biochem. 2010 Dec.; 43(18):1468-71. Epub 2010 Sep 17.





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Adenosine Deaminase (ADA)

Method	Non-Giusti
Traceability	One unit of ADA is defined as the amount of ADA that generates one μ mole of inosine from adenosine per min at 37°C
Precision	Within Run Precision < 2 CV% Between Run Precision < 5 CV%
On-Board Stability*	Four Weeks
Calibration	Lyophilized vial or K-Factor
Sample Type	• Serum • Plasma - Lithium Heparin
Sample Volume*	5 μ L
Assay Range	0 to 200 U/L

Assay Procedure

Test Scheme for Chemistry Analyzers



* Analyzer Dependent

Parameter questions for ADA assay should be addressed to Diazyme technical support. Please call 858.455.4768 or email support@diazyme.com

CONVENIENT

- Stable liquid stable format requires no reagent preparation
- Lyophilized calibrator included with the kit
- High and low controls available

ANALYTICALLY ADVANTAGEOUS

- Excellent precision with CV's of less than 5%
- Extended linearity from 0 – 200 U/L
- Average recovery of 99.7%

EXCELLENT REAGENT STABILITY

- 12 month kit stability

SPECIFIC

- Highly specific for ADA and has no detectable reaction with other nucleosides
- Assay is not affected by serum bilirubin up to 30 mg/dL, hemoglobin up to 200 mg/dL, triglycerides up to 750 mg/dL, and ascorbic acid up to 4 mg/dL

FLEXIBLE

- Requires as little as 5 μ L sample
- Ability to test serum and heparinized plasma
- Can be run by calibrator or K factor
- Automated and manual assay parameters available
- Single reagent working solution if required

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