



	<h2>ADA Determination Assay</h2>	
<b>Application</b>	Determination of Adenosine Deaminase Activity in serum, Plasma and Biological Fluids	
<b>Principle</b>	<p><b>ADA-ENZYMATIC REACTION</b></p> $\text{Adenosine} + \text{H}_2\text{O} \xrightarrow{\text{ADA}} \text{Ammonia} + \text{Inosine}$ $\text{Ammonia} + \text{Phenol} + \text{Hypochlorite} \xrightarrow{\text{Alkaline Medium}} \text{Blue Indophenol Complex}$ <p>Intensity of blue coloured indophenol complex is directly proportional to amount of ADA present in sample.</p>	
<b>Measurement</b>	Blue Indophenol Complex (End Product) can be read on Spectrophotometer with filter at 570-630 nm at 37°C or Colorimeter with yellow or red filter.	
<b>Reagent System</b>	a) L1 - ADA- MTB- Buffer Reagent, ready to use. b) L2 - ADA- MTB- Adenosine reagent ready to use. c) L3 - ADA- MTB- Phenol Reagent d) L4- ADA- MTB- Hypochlorite Reagent e) S- ADA- MTB - Calibrator (Ready to use)	
<b>Storage / Stability</b>	2-8°C, 15 months	
<b>In Use Stability</b>	Reconstituted	
	<b>Working reagent:</b> both Phenol Reagent (L3) & Hypochlorite (L4) need to be diluted 1:5 with distilled water.	2-8°C, at least 6 months when stored in tightly capped bottle
	<b>Calibrator:</b> Ready to use	2-8°C, 15 months provided it is not contaminated.

<b>Presentation</b>	<b>Pack</b>	<b>Cat.No.</b>
<b>ADA-MTB®</b> Kit contents a) L1 - ADA- MTB- Buffer Reagent, ready to use. b) L2 - ADA- MTB- Adenosine reagent ready to use. c) L3 - ADA- MTB- Phenol Reagent d) L4- ADA- MTB- Hypochlorite Reagent e) S- ADA- MTB - Calibrator (Lyophilized)	15 Tests	M-ADA015

