

**Pediatric Immunology and Rheumatology, Department of Pediatrics, Aster  
CMI Hospital, Bangalore, India**

**Laboratory facilities:**

with personnel details, Tests available, cost to patient and sample requirement and turnaround time (MOU with Anand- Neuberg Diagnostic services)

Institute	Investigations performed by flowcytometry for PID	Panel of antibodies/ reagents used	Model of flow cytometer	No of colors used
<b>Aster CMI Hospital, Bangalore (Collaboration with NeubergAnand Diagnostics)</b>	Lymphocyte subsets (T, B, NK cell counts)	CD45 CD3 CD19 CD16/56	-Beckman Coulter FC500 -BD FACS Canto II	6
	CD4 and CD8 counts	CD45 CD3 CD4 CD8	-Beckman Coulter FC500 -BD FACS Canto II	4

	DHR	DHR	-Beckman Coulter FC500 -BD FACS Canto II	1
	DNT cells	CD45 CD3 CD4 CD8 TCR Alpha- Beta	-Beckman Coulter FC500 -BD FACS Canto II	4
	CD18 expression	CD45 CD18	-Beckman Coulter FC500 -BD FACS Canto II	2
Other investigations				
	Serum Immunoglobulins	IgG, IgA, IgM, IgE		
	NBT test (nitro blue tetrazoleum dye reduction)			
Genetic testing by NGS - in collaboration with Private labs (Strand/Medgenome/Anand - Neuberg)				

**Therapeutic facilities like IVIG, BMT and others for PID**

- A. Daycare facilities for IVIG infusions available
- B. 4 bedded full-fledged BMT dedicated only for IMMUNOLOGY transplants
- C. 15 bedded PICU back-up (supporting all kinds of transplants)

Any degree course in Immunology: affiliation to university and details of how to apply and website to look out for information

None