Thymed

Visualizing Immunity

Preclinical & Veterinary Capability Matrix

	01 Absolute counts of immune cells	02 ADCC (antibody dependent cell cytotoxicity)	03 Allergan-induced Basophil Activation/ Degranulation Assay	04 B-cell epitope discovery & validation (peptide microarrays)	05 CDC (complement ependent cytotoxicity)	06 Complement activation CLASSICAL (C4)	07 EIA/ELISA (immune markers, cytokines, biomarkers)	08 ELISpot (antigen-specific T-cells)	09 FASCIA - antigen-specific cell-mediated immune responses in whole blood	10 Immune-marker analysis	11 Immunophenotyping (upto 6 color flow cytometry)	12 Immunohistology (biomarkers, immune markers)	13 Intracellular cytokine synthesis (ICS) (upto 5 color flow cytometry)	14 Multiplex bead assay (cytokines, inflammatory markers etc)	15 Multiplex ELISA assay (cytokines, inflammatory markers etc)	16 Proliferation (CFSE) of T- and/or B-cells (upto 5 color flow cytometry)	17 RT-PCR (detection of biomarkers)	18 T-cell cloning	19 T-cell epitope validation (ELISpot)	20 Tetramer analysis (antigen-specific T-cells, 5 color flow cytometry)	21 Tetramer in-situ staining
1. PRECLINICAL																				
a. MOUSE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
b. HAMSTER	●	●		●			●	●	●	●	●	●				●	●	●		
c. RAT	●	●	●	●			●	●	●	●	●	●				●	●	●	●	
d. RABBIT (Lapine)	●			●			●		●	●	●	●				●	●	●		
e. GUINEA PIG (Cavia)	●			●			●	●	●	●	●	●				●	●	●		
f. GOAT (Caprine)	●			●			●	●	●	●	●	●				●	●	●		
g. Ferret (Mustelid)	●			●			●	●	●	●	●	●				●	●	●		
h. Cynomolgus/Rh.Macaque	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
2. VETERINARY																				
2.1 Companion Animals																				
a. CAT (Feline)	●			●			●		●	●	●	●				●	●	●		
b. DOG (Canine)	●			●			●		●	●	●	●				●	●	●		
2.2 Eco. Important Animals																				
a. BIRD (Avian)	●			●			●		●	●	●	●				●	●	●		
b. CHICKEN	●			●			●		●	●	●	●				●	●	●		
c. COW (Bovine)	●			●			●	●	●	●	●	●				●	●	●	●	
d. PIG (Porcine)	●			●			●	●	●	●	●	●				●	●	●	●	
e. SHEEP (Ovine)	●			●			●	●	●	●	●	●				●	●	●	●	
f. HORSE (Equine)	●			●			●	●	●	●	●	●				●	●	●		