












		Study Period	Screening	Pre-Treatment	Safety Follow Up															UV	ET
		Study Week	-8 to -7	-6 to -1	1				2		3	4	6	8	10	12	24	36	48/E5		
		Study Day (Visit Window)		-10 to -4	1	2	4 or 5	7±1	11±1	14±2	21±2	28±2	42±2	56±2	70±2	84±3	168±7	252±7	336±7		
Label	Collection	Testing																			
ADA	 7 mL SST	ADA			X									X					X	X	X
Exp. Inflammatory Markers - Serum	 8.5 mL SST	Exp. Inflammatory Markers, VICM, cytokines			X		X		X		X	X	X	X	X	X	X	X	X	X	X
ACPA/RF	 8.0 mL SST	ACPA/RF			X					X	X	X	X	X	X	X	X	X	X		X
PBMC [b]	 8.0 mL CPT NaHep	Cellular Immunogenicity, Exploratory Biomarkers, RCL			X (x3)		X	X	X	X	X	X	X	X	X	X (x2)	X	X	X (x2)	X (x2)	X (x2)
PK ddPCR	 3.0 mL K2EDTA	PK ddPCR			X		X[a]	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Exp. Inflammatory Markers - Plasma	 4.0 mL K2EDTA	Exp. Inflammatory Markers			X		X		X		X	X	X	X	X	X	X	X	X	X	X
Footnotes												Order of Draw									


[a] The PK sample collected on study Day 2 should be collected at approximately the same time of day that the infusion of study drug took place on study Day 1 (+/- 1 hour). An un scheduled PK sample should be collected within 30 minutes of a suspected infusion related event.

[b] 3 tubes will be collected at pretreatment. 2 tubes will be collected at Day 84, Day 336, UV, & ET. For all other visits only 1 tube will be collected.



		Study Period	Screening	Pre-Treatment		Safety Follow Up															UV	ET
		Study Week	-8 to -7	-6 to -1		1				2		3	4	6	8	10	12	24	36	48/ES		
		Study Day (Visit Window)			-10 to -4	1	2	4 or 5	7±1	11±1	14±2	21±2	28±2	42±2	56±2	70±2	84±3	168±7	252±7	336±7		
Label	Collection	Testing																				
Synovial Fluid Supernatant				X (a)								X (b) (c)				X (b) (c) (d)					X (c) (d)	
Synovial Fluid Cell Pellet				X (a)								X (b) (c)				X (b) (c) (d)					X (c) (d)	
Cryo Synovial Biopsy				X (a)								X (b) (c)									X (c) (d)	
FFPE Synovial Biopsy				X (a)								X (b) (c)									X (c) (d)	
Footnotes																						
(a) Synovial biopsy and/or synovial fluid collection during the Pre-treatment period should be performed after enrollment and at least one week prior to the planned dosing visit.																						
(b) The synovial biopsy/fluid collection can be performed at or up to 1 week after the scheduled assesment visit.																						
(c) The timing of the synovial biopsy and/or synovial fluid collection in may be changed based on evaluation of data from the first dose escalation cohoh.																						
(d) The synovial biopsy sample/fluid collection at Week 12 and at the ET visit is optional.																						

Sample	Tube	Collection & Processing	Aliquots	Shipping	Notes
ADA		Fill tube completely with blood.	4 x 2.0 mL Cryovials	Ship to MRL frozen in weekly batches	
		Immediately after collection, gently invert tubes 5 times.			
		Allow tubes to clot for a minimum of 30 minutes post collection, keeping tubes vertical.			
		Within 60 minutes of collection, centrifuge at 1,800- 2,200xg for 10-15 minutes to allow the gel barrier to migrate between the cell and serum layers.			
		Using a transfer pipette, aliquot the serum sample into 4 x 2.0 mL cryovials, leaving a small amount on top of the separator gel. Discard the collection tube.			
	7.0 mL SST	Ship cryovials to MRL frozen in weekly batches.			
Exp. Inflammatory Markers - Serum		Fill tube completely with blood.	8 x 2.0 mL Cryovials	Ship to MRL frozen in weekly batches	
		Immediately after collection, gently invert tubes 5 times.			
		Allow tubes to clot for a minimum of 30 minutes post collection, keeping tubes vertical.			
		Within 60 minutes of collection, centrifuge at 1,800- 2,200xg for 10-15 minutes to allow the gel barrier to migrate between the cell and serum layers.			
		Using a transfer pipette, aliquot the serum sample into 8 x 2.0 mL cryovials, leaving a small amount on top of the separator gel. Discard the collection tube.			
	8.5 mL SST	Ship cryovials to MRL frozen in weekly batches.			
ACPA/RF		Fill tube completely with blood.	3 x 2.0 mL Cryovials	Ship to MRL frozen in weekly batches	
		Immediately after collection, gently invert tubes 5 times.			
		Allow tubes to clot for a minimum of 30 minutes post collection, keeping tubes vertical.			
		Within 60 minutes of collection, centrifuge at 1,800- 2,200xg for 10-15 minutes to allow the gel barrier to migrate between the cell and serum layers.			
		Using a transfer pipette, aliquot the serum sample into 3 x 2.0 mL cryovials, leaving a small amount on top of the separator gel. Discard the collection tube.			
	8.0 mL SST	Ship cryovials to MRL frozen in weekly batches.			
PBMC		Fill all tubes completely with blood.	None	Ship to MRL refrigerated on day of collection	
		Gently invert 8-10 times to avoid clotting.			
		Centrifuge within 2 hours of collection at 1500xg for 30 minutes.			
		Resuspend mononuclear cells into plasma by gently inverting tubes 5-10 times.			
		Ship tube to MRL refrigerated on day of collection			
	8.0 mL CPT NaHep				
Exp. Inflammatory Markers - Plasma		Fill tube completely.	2 x 2.0 mL Cryovials	Ship to _____ frozen	
		Mix tubes after collection by gently inverting 8-10 times and immediately place on wet ice.			
		Within 15 minutes of collection, centrifuge at 4°C at 1800g - 2200g for 10-15 minutes.			
		Using a transfer pipette, aliquot plasma into 2 x 2.0 mL cryovials and freeze until shipment.			
		Ship cryovials to _____ frozen.			
	4.0 mL K2EDTA				

Sample	Tube	Collection & Processing	Aliquots	Shipping	Notes
PK ddPCR	 3.0 mL K2EDTA	Fill tubes completely as a partial fill results in over anticoagulated plasma, impacting results of testing.		Ship to CRL ambient day of collection	DO NOT SEND TO MRL
		Mix tubes immediately after collection, gently inverting 8-10 times.			
		Do NOT Centrifuge, Do NOT open tube.			
		Ship tube UNOPENED to CRL refrigerated, day of collection.			
Synovial Fluid Supernatant		See Lab Manual for instruction.		Ship to MRL frozen in weekly batches	
Synovial Fluid Cell Pellet		See Lab Manual for instruction.		Ship to MRL frozen in weekly batches	
Cryo Synovial Biopsy		See Lab Manual for instruction.		Ship to MRL frozen in weekly batches	
FFPE Synovial Biopsy		See Lab Manual for instruction.		Ship to Mosaic ambient day of collection	DO NOT SEND TO MRL