



Multiplate Agonist Concentrations

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The ADP, ASPI, COL, and TRAP tests all use 20 μL of agonist in the nominal assay along with 300 μL of diluent and 300 μL of anticoagulated whole blood. The RISTOlow assay and the RISTOhigh test uses 12 μL and 50 μL of ristocetin, respectively.

Test	Agonist	Reagent Concentration	[Agonist] in Test Cell
ADPtest	ADP	200 μM	6.5 μM
ADPtest HS	ADP + PGE1	200 μM + 300 nM	6.25 μM + 9.4 nM
ASPItest	arachidonic acid	15 mM	0.5 mM
COL test	collagen	50 $\mu\text{g}/\text{mL}$	1.6 $\mu\text{g}/\text{mL}$
RISTOtest	ristocetin	10 mg/mL	
		RISTOlow	0.2 mg/mL
		RISTOhigh	0.77 mg/mL
TRAPtest	TRAP-6 peptide	1000 μM	32 μM
Controls			
ASA Control	acetylsalicylic acid	30 mg/mL	1 mg/mL
GPIIb/IIIa Antagonist	synthetic inhibitor	50 $\mu\text{g}/\text{mL}$	1.6 $\mu\text{g}/\text{mL}$

The calculation of agonist concentration in the test cell uses whole blood (WB) volume without consideration that approximately half of WB is red cell volume. Values from Multiplate[®] product literature.



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DOCUMENT REVISION HISTORY

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Revision	Effective Date	DCN Number	Description of Document Revision	Revision Author
01	05/09/2012	2012-00054	Original	S. Delaney
02	02/12/2018	2018-00015	Updated Col Reagent Concentration	M. Sobo

Note: For approval signatures see Document Change Notice noted in table above.