

INFORMATION FORM TO ACCOMPANY MONASH HEALTH PATHOLOGY ADAMTS-13 TESTING REQUESTS

This form must accompany the standard pathology request form/referral letter and specimen for all ADAMTS-13 requests.

The Monash Health Pathology Special Coagulation lab must be notified of all urgent requests on 9594 6751 (business hours) or the Haematology lab on 9594 3489 (outside of business hours).

Patient details:

First name and surname:

D.O.B:

Is this a: (please tick)

New acute patient

TTP monitoring/follow up patient

Other _____

Does the patient have an obvious cause of TMA other than TTP? (please tick) Yes No

(eg. DIC, preeclampsia/HELLP syndrome, malignant hypertension, mechanical valve malfunction, catastrophic APLS)

Are there schistocytes visible of peripheral blood film? (please tick) Yes No

To assist us with predicting the clinical risk for severe ADAMTS-13 deficiency, the PLASMIC score¹ must accompany each referral:

Blood test date:

Variable	Criteria	Scoring	Patient's results		Patient's score
P latelet count	< 30 x 10 ⁹ /L	Yes = 1	___	x 10 ⁹ /L	
L aboratory evidence of haemolysis (1 only is needed):		Yes = 1			
[A] Reticulocyte count	> 2.5%		___	%	
[B] Haptoglobin	Undetectable		___	g/L	
[C] Bilirubin (unconjugated)	> 34 µmol/L		___	µmol/L	
A ctive cancer	Treatment within last 12 months	No = 1	YES / NO (circle one)		
History of S olid organ or S tem cell transplant		No = 1	YES / NO (circle one)		
M CV	< 90 fL	Yes = 1	___	fL	
I NR	< 1.5	Yes = 1	___		
C reatinine	< 177 µmol/L	Yes = 1	___	µmol/L	
		Total score:			

Requesting doctor's details*:

First name and surname:

Mobile number (pager and landline numbers alone are NOT accepted):

Hospital/medical practice:

*Low results will be phoned to this contact.

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Normal working hours (Monday-Friday 8.30am-5pm, excluding public holidays)

Urgent samples must arrive at the Monash Health Pathology (Monash Medical Centre, Clayton) Specimen Reception by 1pm on a normal business day for same day results. Urgent samples arriving after 1pm will be run on the next business day. All urgent samples **MUST** be discussed with a Monash Health Pathology Special Coagulation Scientist/Laboratory Haematology Registrar/Laboratory Haematologist.

Non-urgent samples will be analysed in batches (usually twice a week).

Outside of normal working hours

There is no scientist rostered to run the ADAMTS-13 assay outside of normal working hours. Samples arriving outside of working hours will be run on the next business day (if urgent) or with the next batched run (if non-urgent). Please call and speak to the Monash Health Laboratory Haematologist on-call (contactable via Monash Health switchboard (03) 9594 6666) with any concerns.

Additional information

On rare occasions, a false positive result (i.e. low ADAMTS-13 activity) can occur with the AcuStar assay. When unexpected very low results occur in the setting of a 'low-risk' PLASMIC score or with low clinical suspicion, a confirmatory ELISA will be performed.

References

1 Bendapudi PK, Hurwitz S, Fry A, Marques MB, Waldo SW, Li A, Sun L, Upadhyay V, Hamdan A, Brunner AM, Gansner JM, Viswanathan S, Kaufman RM, Uhl L, Stowell CP, Dzik WH, Makar RS. Derivation and external validation of the PLASMIC score for rapid assessment of adults with thrombotic microangiopathies: a cohort study. *Lancet Haematol.* 2017 Apr;4(4):e157-e164. doi: 10.1016/S2352-3026(17)30026-1. Epub 2017 Mar 2. PMID: 28259520.

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