

Additional Table 1 Details of the studies from which samples were obtained

	Malawi (NEUROTRYP study, <i>Amin et al. 2010</i>)	Uganda (FINDTRYP study)
n S2 / n total	27/30	44/55
Site of sample collection	Rumphi region	Lwala and Serere Health Centres
Inclusion criteria	- Detection of trypanosomes in any body fluid - Age ≥ 12 years old - Written informed consent	- Detection of trypanosomes in any body fluid - Written informed consent
Exclusion criteria	- Moribund conditions - Haemorrhagic CSF - Low probability of patient coming back for follow-up	- No major exclusion criteria since the study did not implicate invasive procedures other than those applied for HAT diagnosis in clinical practice
Method for trypanosome detection in CSF	Modified single centrifugation (<i>Miezan et al. 2002</i>)	Double centrifugation (<i>Cattand et al. 1988</i>)
Treatment of S1 patients	Suramin	Suramin
Treatment of S2 patients	Melarsoprol 10 days	Melarsoprol 10 days

S1 = S1 patients; S2 = stage 2 patients

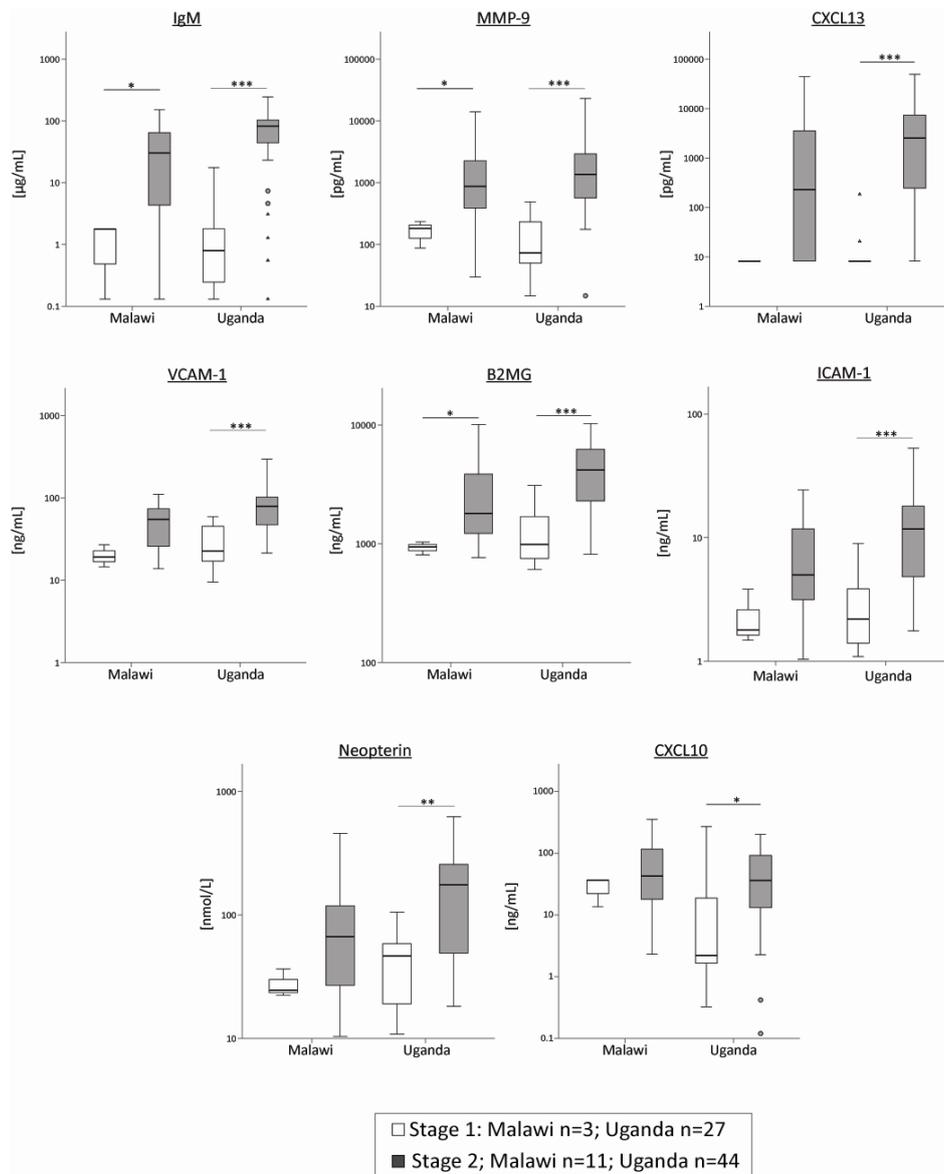
Additional Table 2 Detailed calculation for the evaluation of the staging ability of the eight markers

Marker	pAUC (95% CI)	Cut-off	SP%	SE% (95% CI)
IgM [$\mu\text{g/mL}$]	88.1 (83.7-95.6)	17.8	100	77.5 (67.6-87.3)
MMP-9 [pg/mL]	86.4 (81.0-94.1)	499.8	100	71.8 (60.6-81.7)
CXCL13 [pg/mL]	85.4 (79.2-93.7)	200.3	100	69.0 (57.8-80.3)
VCAM-1 [ng/mL]	78.0 (72.3-87.5)	59.5	100	57.8 (46.5-69)
B2MG [ng/mL]	76.2 (70.4-90.4)	3106	100	53.5 (42.3-64.8)
ICAM-1 [ng/mL]	75.6 (70.4-89.9)	9.1	100	52.1 (40.9-63.4)
Neopterin [nmol/L]	74.1 (68.8-84.4)	109.2	100	50.7 (39.4-62)
CXCL10 [ng/mL]	55.0 (47.4-77.8)	269.9	100	2.8 (0-7.0)

Partial AUC (pAUC) were calculated between 90 and 100% of specificity

SP% = specificity%; SE = sensitivity%; 95% CI = 95% confidence interval

Additional Figure 1



Comparison of the levels of the markers between stage 1 (S1) and stage 2 (S2) patients classified according to the country of sample collection.

For each country, differences between S1 and S2 were assessed using the Mann-Whiney U test.

* corresponds to a p value < 0.05; ** corresponds to a p value < 0.001; *** corresponds to a p value < 0.0001