## ICSH recommendation for standardization of reporting units used in the blood count, 2016

Blood count parameter	Reporting Units currently	Recommended	Reason(s) for recommendation
WDG 1.1.1	used worldwide	reporting unit	
WBC and platelet counts	×10 <sup>9</sup> /L	×10 <sup>9</sup> /L	SI unit; previously recommended by ICSH;
	Giga/L		current majority use
	$\times 10^3/\mu L$		worldwide
	Number per μL		
WDC 1:cc	Number per mm <sup>3</sup>	409/7	CI :
WBC differential count	×10 <sup>9</sup> /L	×10 <sup>9</sup> /L	SI unit; previously recommended by ICSH;
	Percentage (%)	(rather than % where technology and/or	more clinically
	×10 <sup>3</sup> /μL	IT capability allows)	meaningful than %
	Number per μL		
DDC sount	Number per mm <sup>3</sup> ×10 <sup>12</sup> /L	×10 <sup>12</sup> /L	CI ymits mayri ayaly
RBC count		×10 /L	SI unit; previously recommended by ICSH;
	×10 <sup>6</sup> /μL		current majority use
	Tetra/L		worldwide
TT 1.1.'	Number per mm <sup>3</sup>	77	True SI unit unlike
Haemoglobin	g/L	g/L	g/dL or g/100 mL;
	g/dL		ICSH previously
	mmol/L		did not recommend
	g/100 mL		mmol/L (used in a minority of countries).
PCV/haematocrit	L/L	L/L	SI unit; previously
1 C V/Haematoent	Percentage (%)	L/L	recommended by ICSH
	Tercentage (70)	$(\% \div 100 = L/L)$	
		(70 7 700 2/2)	
MCV (mean cell volume)	fL	fL	SI unit; previously
	$\mu m^3$		recommended by
	•		ICSH; current majority use worldwide
MCH (mean cell	pg	pg	SI unit; previously
haemoglobin)	fmol	PE	recommended by
,	imoi		ICSH; current majority
MOUG			use worldwide
MCHC (mean cell haemoglobin concentration)	As per haemoglobin	As per haemoglobin	As per haemoglobin
RDW (red Cell distribution	0/	(g/L)	SI unit; already
width)	%	fL as a preference	reported as fL in
PDW (platelet distribution	fL	(where routinely	many countries
width) and	%CV	reported)	
MPV (mean platelet			
volume)			
Reticulocytes	×10 <sup>9</sup> /L	×10 <sup>9</sup> /L	SI unit; previously
	Percentage (%)	(rather than %	recommended by ICSH; current majority
	Giga/L	where technology	use worldwide
	Number per mm <sup>3</sup>	and/or	
	$\times 10^{6}/\mu L$	IT capability allows)	
Nucleated RBC count	×10 <sup>9</sup> /L	×10 <sup>9</sup> /L	SI unit; more
	per 100 WBC	(rather than per 100	clinically meaningful than per 100 WBC
	$\times 10^3/\mu$ L	WBC where	man per 100 mbc
		technology and/or	
		IT capability allow)	