

# laboratory report

<b>PATIENT</b>	Surname: XXX
	Forename: XXX
	DOB: 28-Dec-1965
	Sex: F

<b>LABORATORY</b>	Sample date: 04-Mar-2009
	Report date: 06-Mar-2009
	PID: XXX
	Lab ref: XXX

## ANAEMIA PROFILE

Test	Result	Units	Range
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### HAEMATOLOGY PROFILE

#### Red Blood Cells

HAEMOGLOBIN	14.5	g/dL	11.5 - 15.5
HCT	0.437		0.33 - 0.45
RED CELL COUNT	5.03	$\times 10^{12}/L$	3.95 - 5.15
MCV	86.9	fL	80 - 99
MCH	28.8	pg	26.0 - 33.5
MCHC	33.2	g/dL	30 - 35
RDW	13.0		11.5 - 15.0

#### White Blood Cells

WHITE CELL COUNT	7.18	$\times 10^9/L$	3.0 - 10.0
Neutrophils	3.42	$\times 10^9/L$	2.0 - 7.5
Lymphocytes	3.07	$\times 10^9/L$	1.5 - 4.0
Monocytes	0.44	$\times 10^9/L$	0.2 - 1.0
Eosinophils	0.23	$\times 10^9/L$	0.0 - 0.4
Basophils	0.02	$\times 10^9/L$	0.0 - 0.1

Normal RBC and WBC populations. Platelets decreased

#### Clotting Cells

PLATELET COUNT	*146	$\times 10^9/L$	150 - 400
MPV	12.8	fL	7 - 13

#### Inflammation Marker

ESR	5	mm/hr	1 - 7
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#### Anaemia Markers

Vitamin B12	482	pg/ml	180 - 914
Red cell folate	1437	nmol/L	338 - 1970

### BIOCHEMISTRY

#### Iron Profile

IRON	*29.0	umol/L	6.6 - 26.0
T.I.B.C	58	umol/L	41 - 77
IRON SATURATION	50	%	20 - 55
FERRITIN	67	ug/L	13 - 150

Optimum Ferritin level for females : >27 ug/L