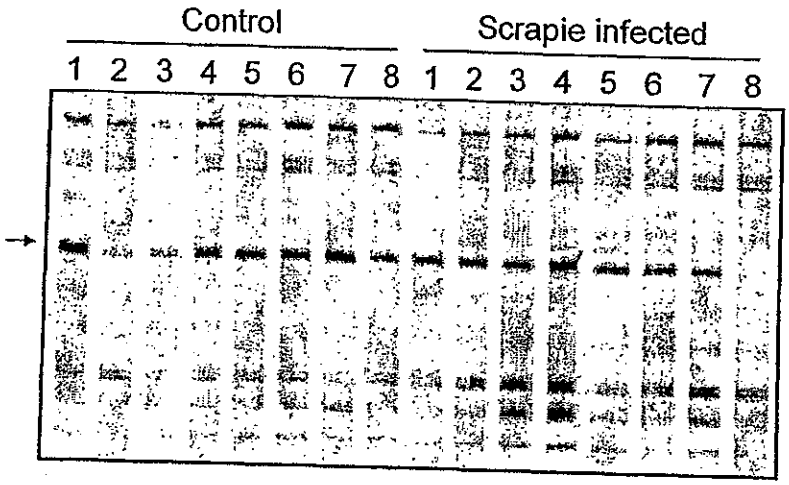


FIG. 1

(a)

CAGCAAGAGC TGAGTACTCT GGGCAGCCAG TTTCTAGCCA AATACAGGAC CTTTCTGAAG
TCCAAAGAGC CCCCAAGCAA TACACTGCCC TCCTCATAAC TTAAAGGGTC TGGGCATCAT
GTCTTAGAGAC CCCAAACACT CGGCTCTGTG TTATATCTTC AGACCGTTCT CCCAAGATGT
TGCTGTACTT TGACATGCCA ATAAAGACCA AATACTCAAA AAAAAAAAAA

(b)

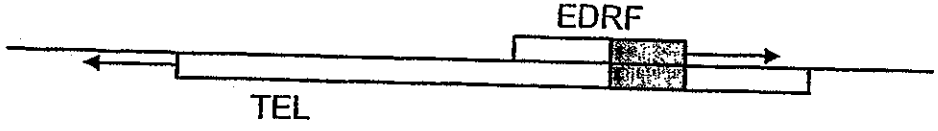


FIG. 2

(a) Murine EDRF nucleotide sequence

```
  1 tcaaaccccg aggattgtgg atgaggcggg ctcagcacca ttagacttga
 51 agatggcccc ttttcagagc aataaggatc tgatctccac agggataaag
101 gagtttaatg ttctgctgga tcagcaggtc tttgatgatc ctctgatctc
151 tgaagaagac atggtgattg tggttcatga ctgggtgaac ttgtacacca
201 actattacaa gaagctcgtg catggggagc aggaggagcea agttttctagc agacagggcc
251 atgacagaat tccagcaaga gctgagtact ctgggcagcc agtttctagc
301 caaatacagg acctttctga agtccaaaga gcccccaagc aatacactgc
351 cctcctcata acttaaaggg tctgggcatc atgtcttaga accccaaaca
401 ctcggctctg tgttatatct tcagaccgtt ctcccaagat gttgctgtac
451 tttgacatgc caataaagac caaatactca aaaaaaaaaa aaaaaaaaaa
501 aaaaa
```

(b) Human EDRF nucleotide sequence

```
  1 ggggacagag agattcacgc accctcaaga gtgtgggtga gacatataca
 51 gcctgttaga cctgaaggca gatggctctt cttaaggcca ataaggatct
101 catttccgca ggattgaagg agttcagctt tctgctgaat cagcaggtct
151 tcaatgatcc tctcgtctct gaagaagaca tggtgactgt ggtggaggac
201 tggatgaact tctacatcaa ctattacagg cagcaggtga caggggagcc
251 ccaagagcga gacaaggctc tgcaggagct tcggcaagag ctgaacactc
301 ttgccaaccc tttcctggcc aagtacaggg acttcctgaa gtctcatgag
351 ctcccgagtc acccaccgcc ctcctcctag ctcagggacc cagcccctcc
401 tctctgagaa actctgacct tcatgtcctt aggctgtgct cctgccactc
451 taccctgaca cctcaataaa gaccagtgct ggttttgttg gaaaaaaaaa
501 a
```

(c) Partial (168 bp) Bovine EDRF Open Reading Frame Sequence

```
  1 gaggaagata tggtgaccgt ggtgaatgac tgggtgagct tttacatcaa
          c        tt

 51 ctattacaag aagcagctgt cgggagagca agacgagcag gacaaggctc

101 tgcaggagtt tcggcaagag ctcaataccc tgtctgcctc tttcctagca
                                                 tt

151 aaataccgcc cctttct
     g          c
```

FIG. 3

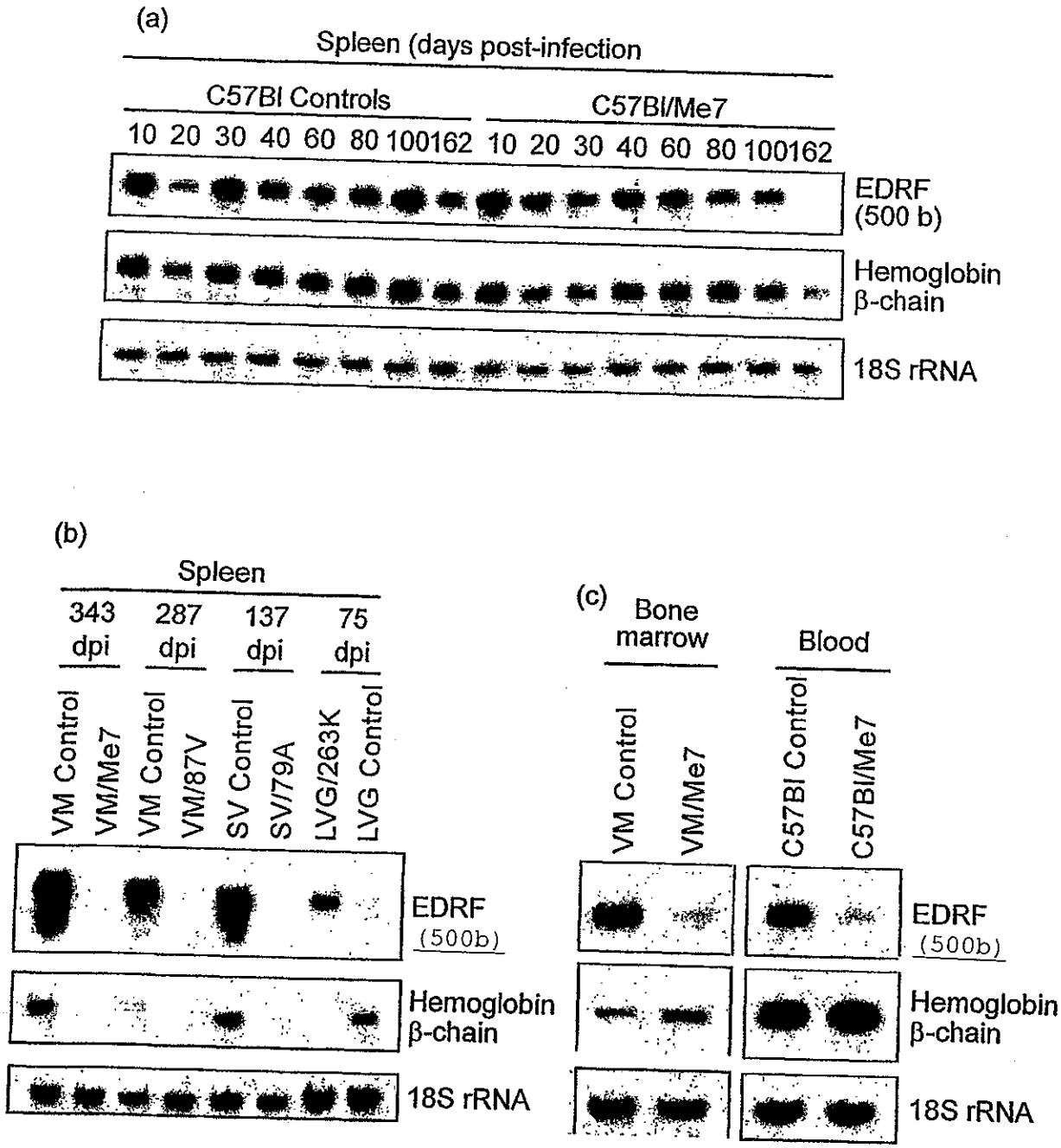

(a)
Spleen (days post-infection
C57Bl Controls
C57Bl/Me7
10 20 30 40 60 80 100162 10 20 30 40 60 80 100162
EDRF (500 b)
Hemoglobin β-chain
18S rRNA
(b)
Spleen
343 dpi
287 dpi
137 dpi
75 dpi
VM Control
VM/Me7
VM Control
VM/87V
SV Control
SV/79A
LVG/263K
LVG Control
EDRF (500b)
Hemoglobin β-chain
18S rRNA
(c)
Bone marrow
Blood
VM Control
VM/Me7
C57Bl Control
C57Bl/Me7
EDRF (500b)
Hemoglobin β-chain
18S rRNA

FIG. 7

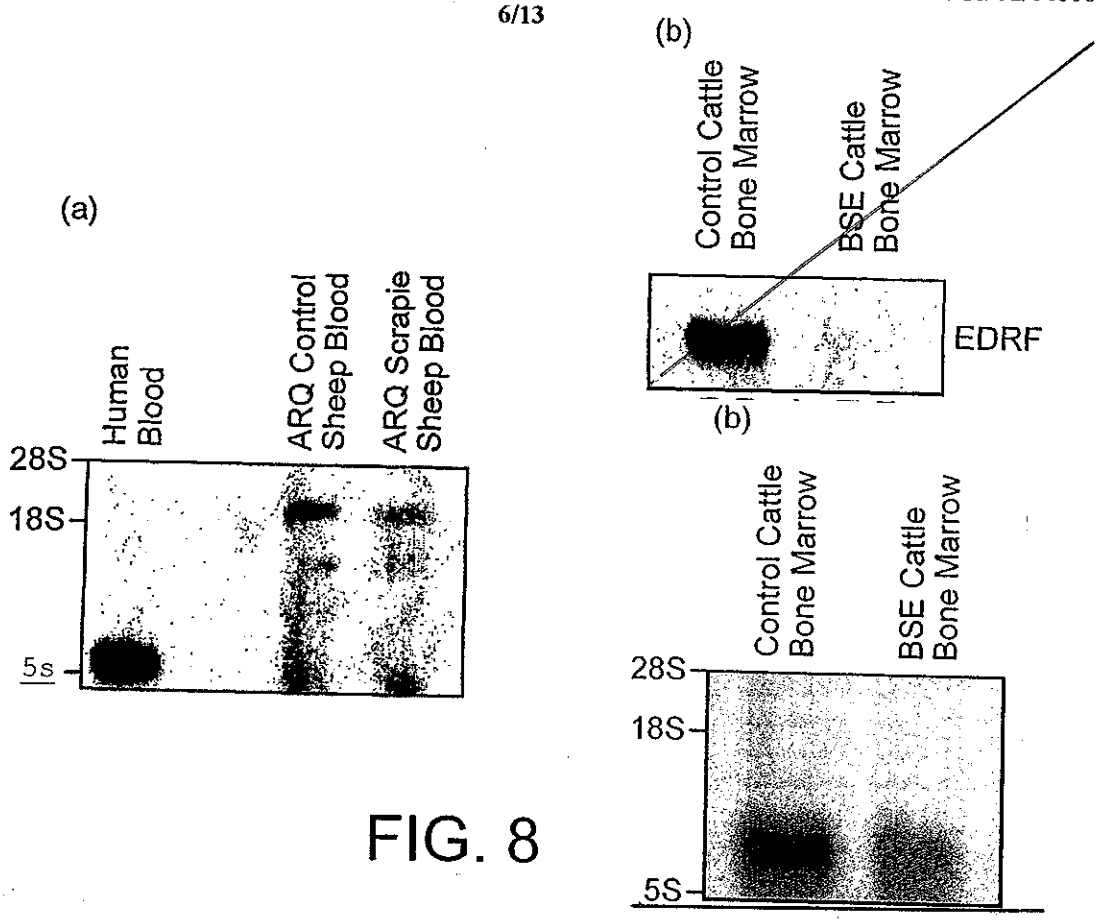
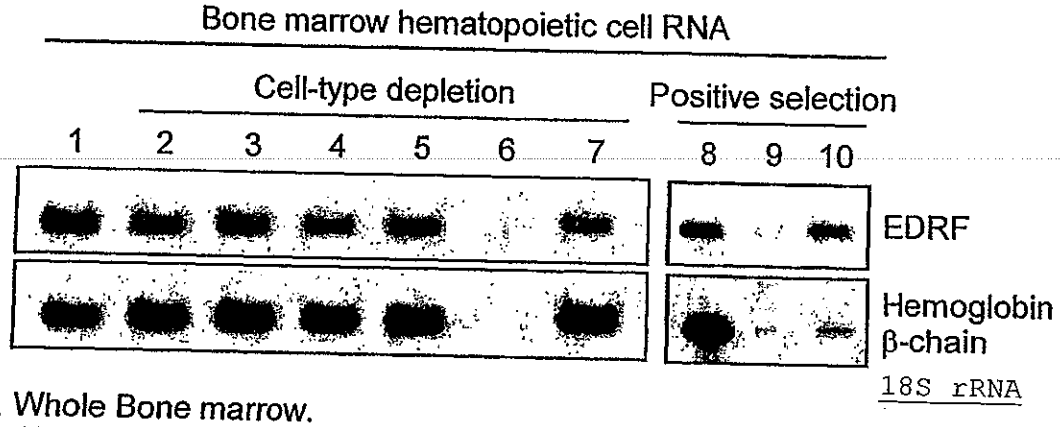
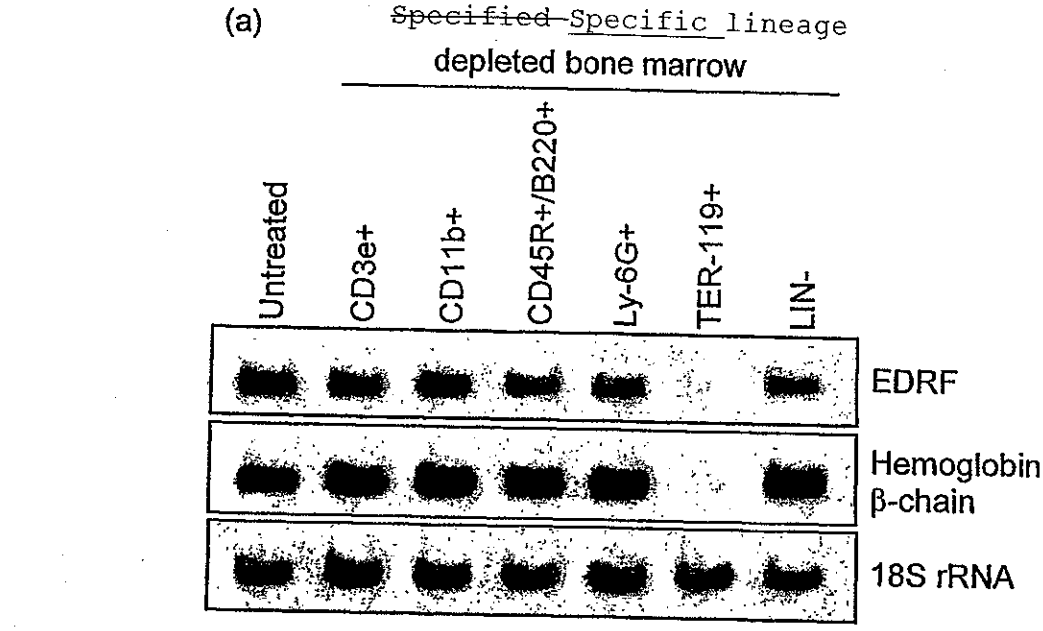


FIG. 8



1. Whole Bone marrow.
2. CD3e-depleted bone marrow (thymocytes and circulating T-cells)
3. CD11b-depleted bone marrow (monocytes, granulocytes, macrophages, dendritic cells, NK cells, B-1 cells).
4. CD45R/B220-depleted bone marrow (B-cells at all stages of development).
5. Ly-6G-depleted bone marrow (Granulocytes, monocytes, neutrophils).
6. TER-119-depleted bone marrow (all erythroid cells, including erythrocytes except ~~but excluding~~ BFUe/CFUe Cells).
7. Hematopoietic stem cells and BFUe/CFUe-depleted bone marrow.
8. TER-119+ bone marrow cells.
9. ~~Cd3+~~CD3+, ~~Cd11b+~~CD11b+, CD45R+, B220+, Ly-6G+, bone marrow cells.
10. Lineage-negative hematopoietic stem cells (and BFUe/CFUe cells).

FIG. 9


(a)
~~Specified~~ Specific lineage
depleted bone marrow
Untreated
CD3e+
CD11b+
CD45R+/B220+
Ly-6G+
TER-119+
LIN-
EDRF
Hemoglobin β-chain
18S rRNA

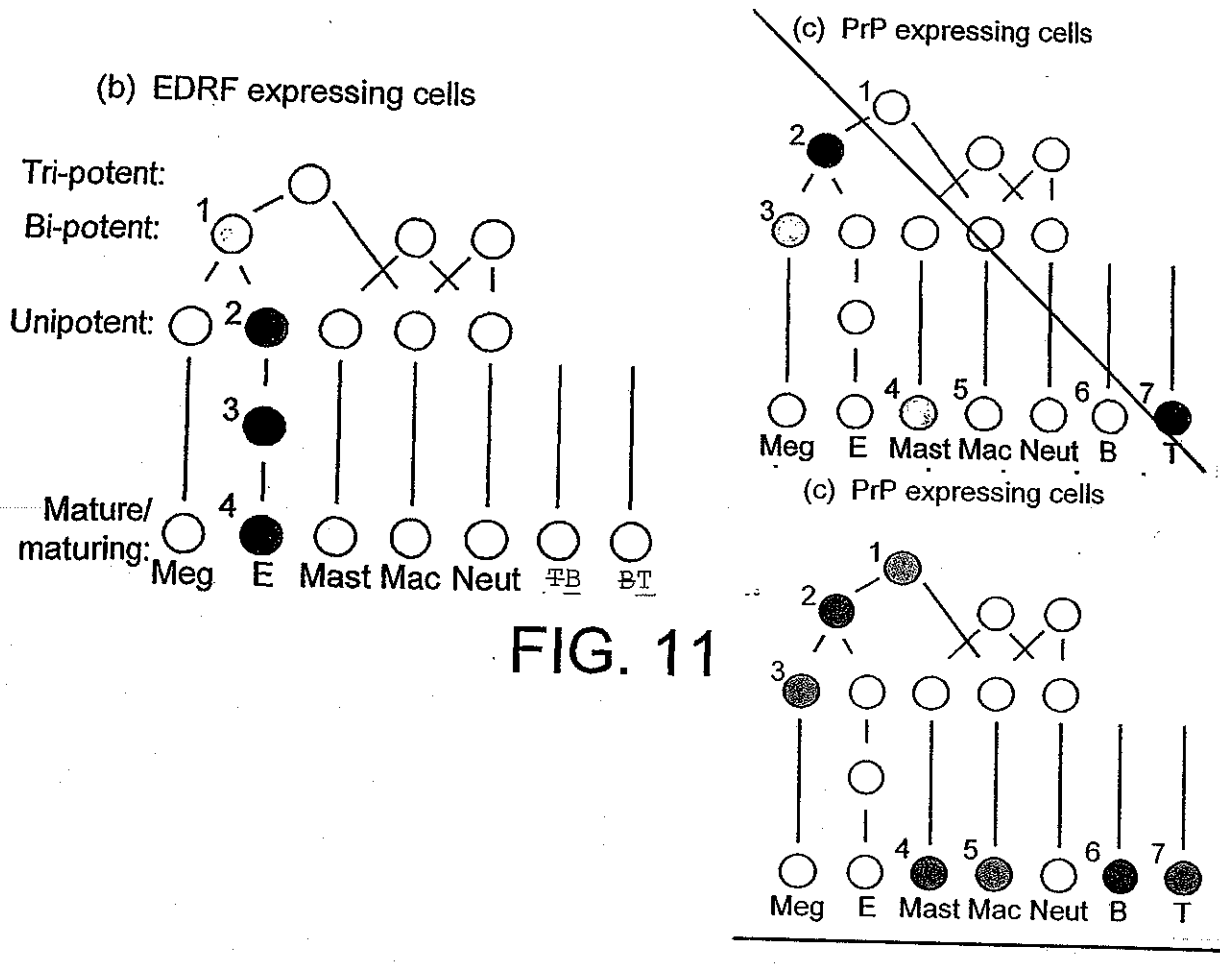

(b) EDRF expressing cells
Tri-potent:
Bi-potent:
Unipotent:
Mature/ maturing:
Meg
E
Mast
Mac
Neut
~~TB~~
~~BT~~
(c) PrP expressing cells
Meg
E
Mast
Mac
Neut
B
T
(c) PrP expressing cells
Meg
E
Mast
Mac
Neut
B
T

FIG. 11

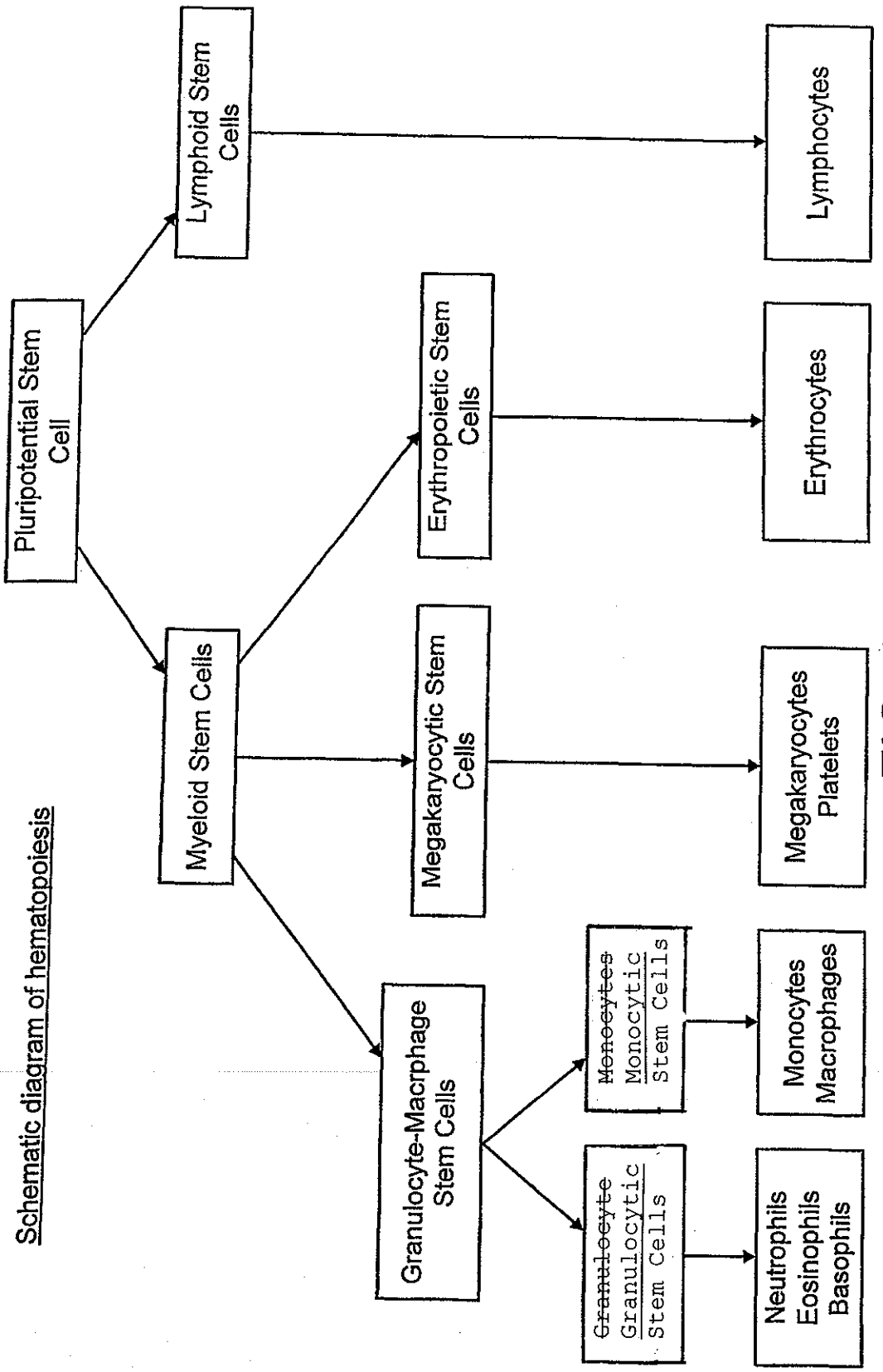

Schematic diagram of hematopoiesis
Pluripotential Stem Cell
Lymphoid Stem Cells
Lymphocytes
Myeloid Stem Cells
Erythropoietic Stem Cells
Erythrocytes
Megakaryocytic Stem Cells
Megakaryocytes Platelets
Granulocyte-Macrphage Stem Cells
~~Monocytes~~ Monocytic Stem Cells
Monocytes Macrophages
~~Granulocyte~~ Granulocytic Stem Cells
Neutrophils Eosinophils Basophils

FIG. 12