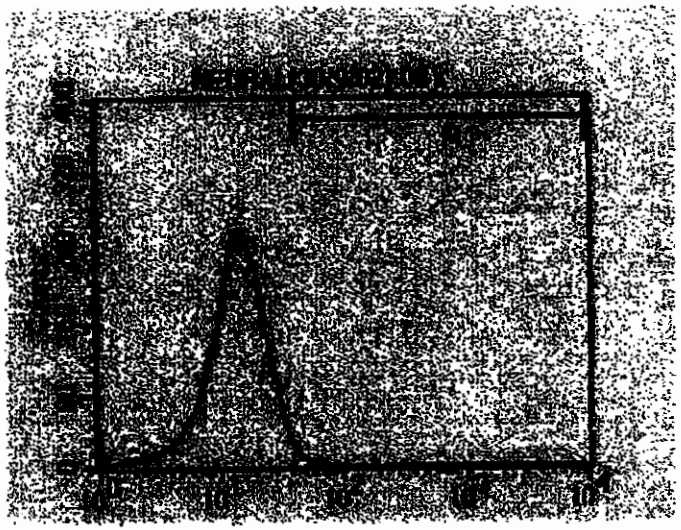
A

B

Figure.1 : A- Nestin positive cells;
B- Expansion of Nestin positive cells

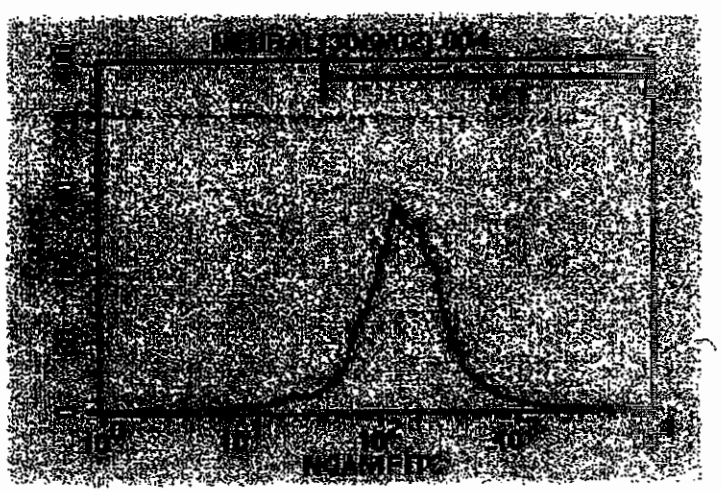
A



Histogram Statistics
File: NEURAL(30/9/02) 001
Sample ID: CONTROL/NCAM
Acquisition Date: 30-Sep-02 Gate: G1
Gated Events: 30448 Total Events: 50000

Marker	Events	% Gated	% T otal
All	30448	10000	60. 90
M1	165	054	033

B



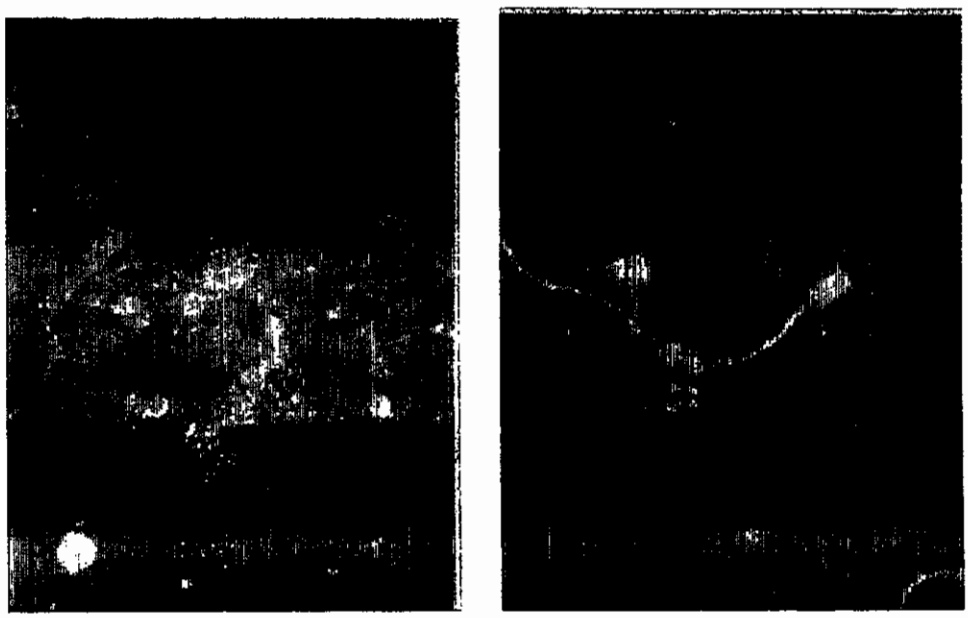
Histogram Statistics
File: NEURAL(30/9/02) 004
Sample 1D: NCAM(FIXED/PERM)
Acquisition Date: 30-Sep-02 Gate: G1
Gated Events: 32566 Total Events: 50000

Marker	Events	% Gated	% Total
All	32566	10000	65.13
M1	31434	9652	62.87

Figure.2: **FACS analysis**

A-Control (unlabelled cells)

B- NCAM positive cells



A B

Figure. 3 : Magnetic Sorting of NCAM positive cells
A, B- NCAM positive cells

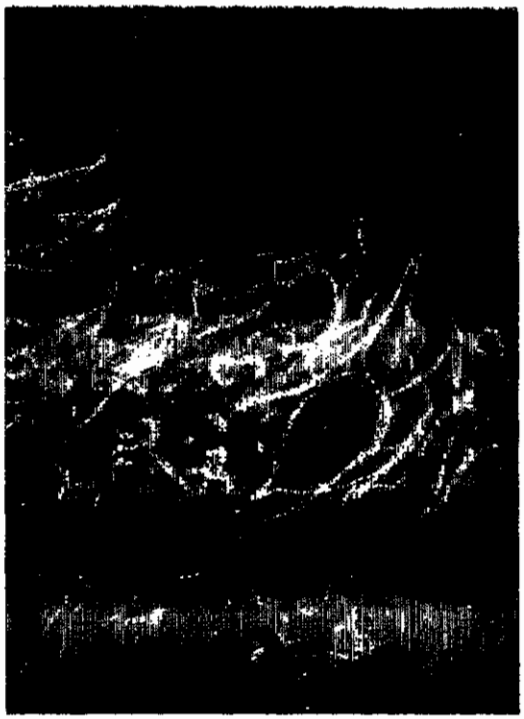
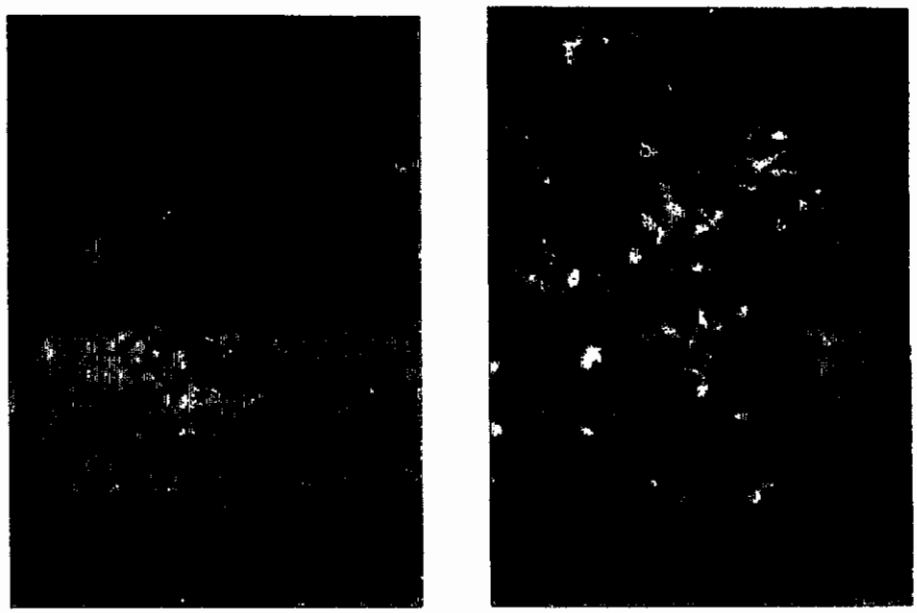


Figure.4A : MAP-2 positive cells



Figure.4B : βTubulin positive cells



A B

Figure.5 : Cells positive for Tyrosine hydroxylase

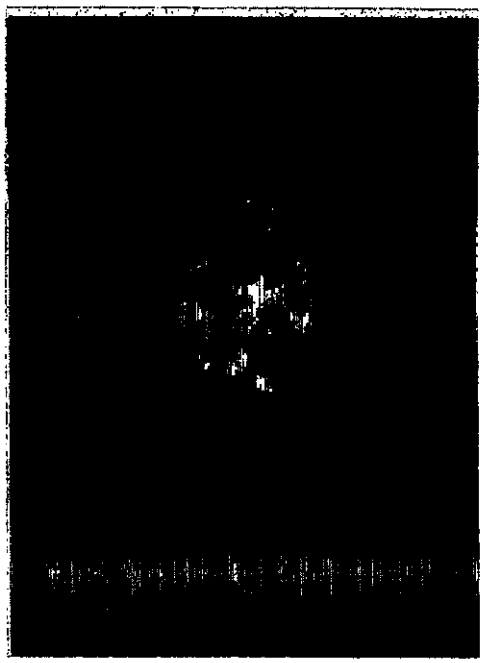


Figure.6 Oligodendrocyte

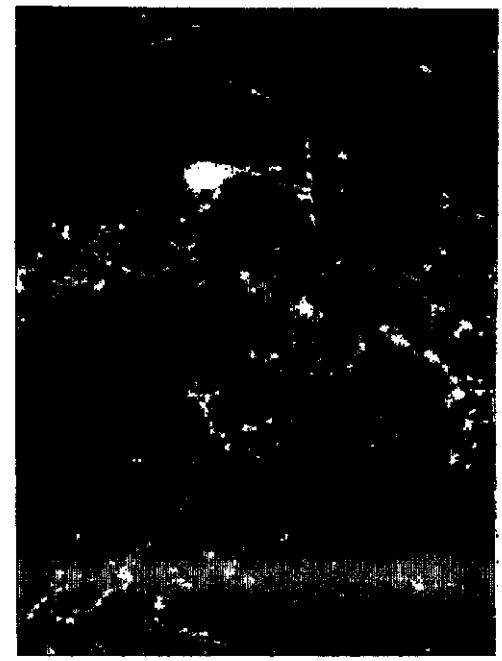
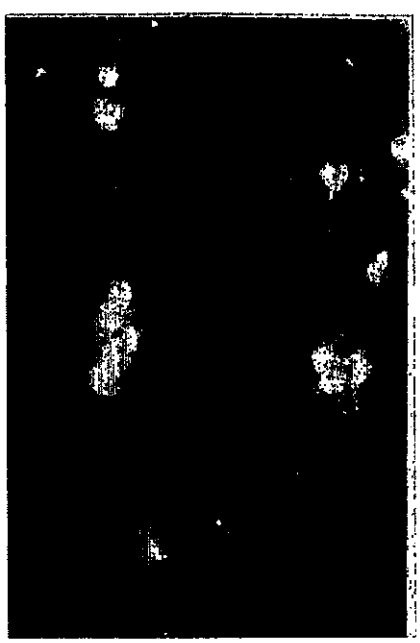
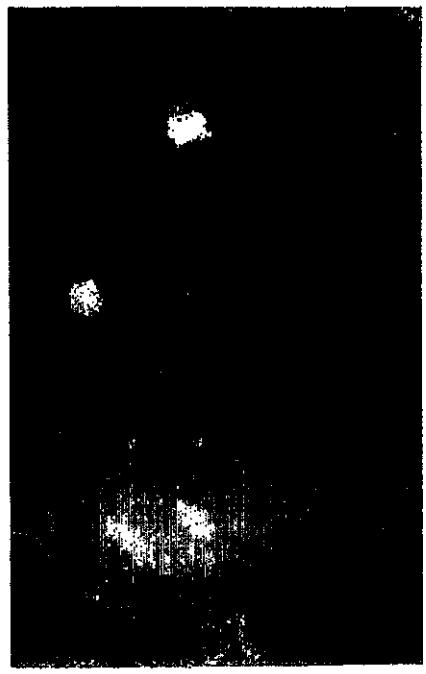


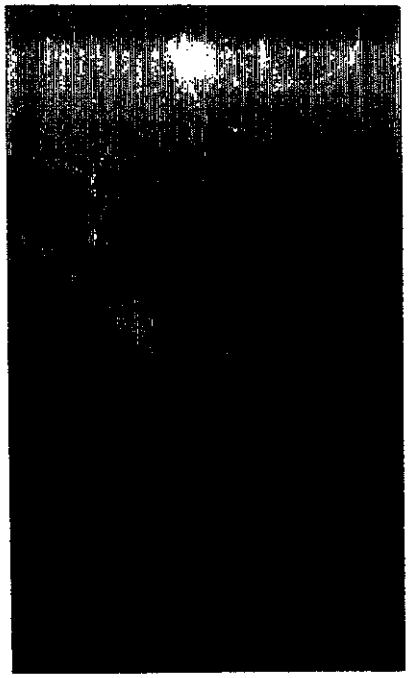
Figure.7 Serotonin



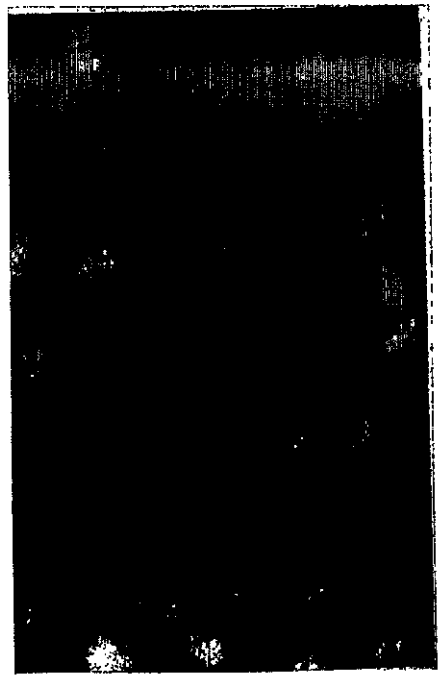
TH/MAP-2



TH /DAT



TH / β tubulin



TH/Nurr1

Figure. 8. Co-localisation of TH with other neuronal antigens

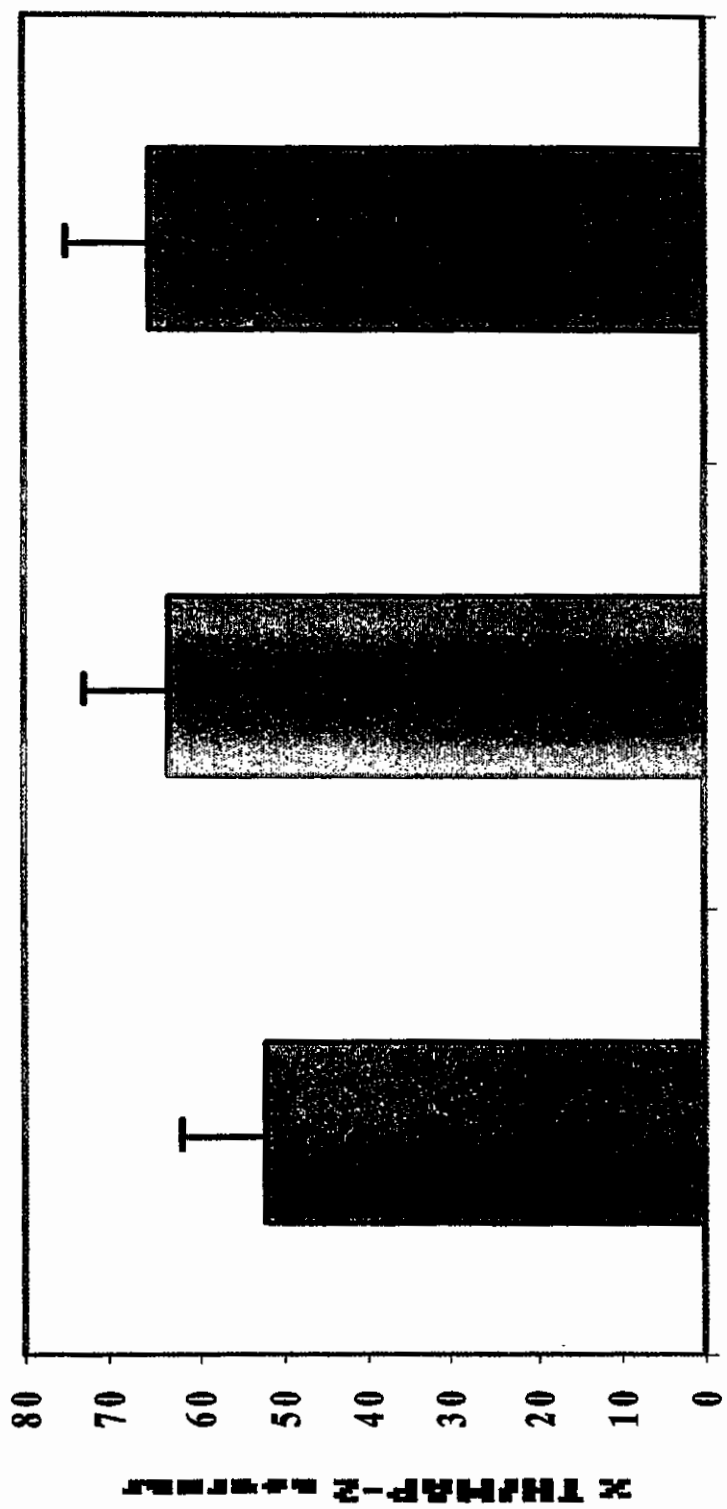


Figure 9 :Percent proportion of TH positive neurons

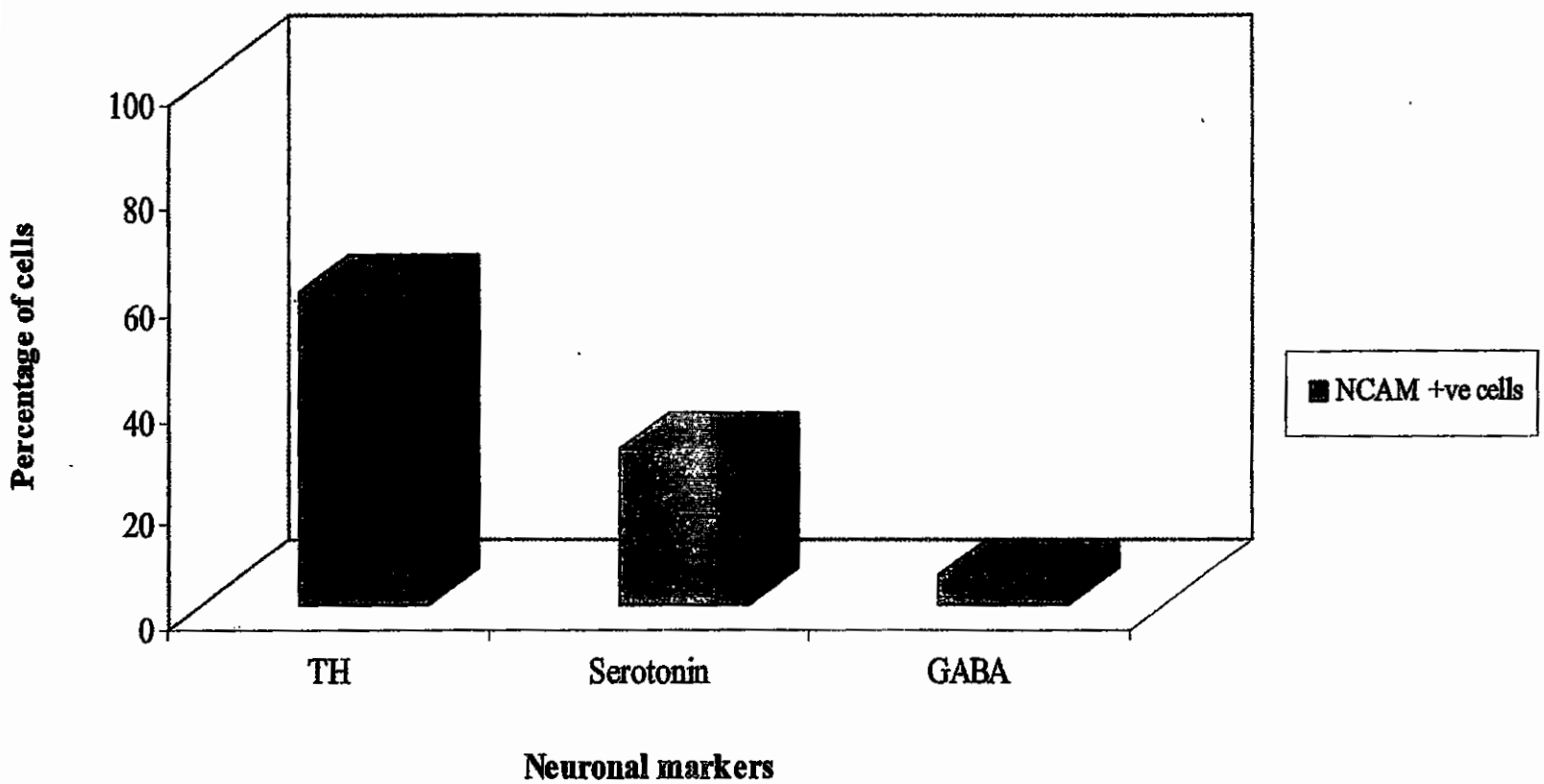


Figure 10 : Quantitative analysis of neuronal populations from NCAM enriched cells. Tyrosine hydroxylase positive cells found to be 60%

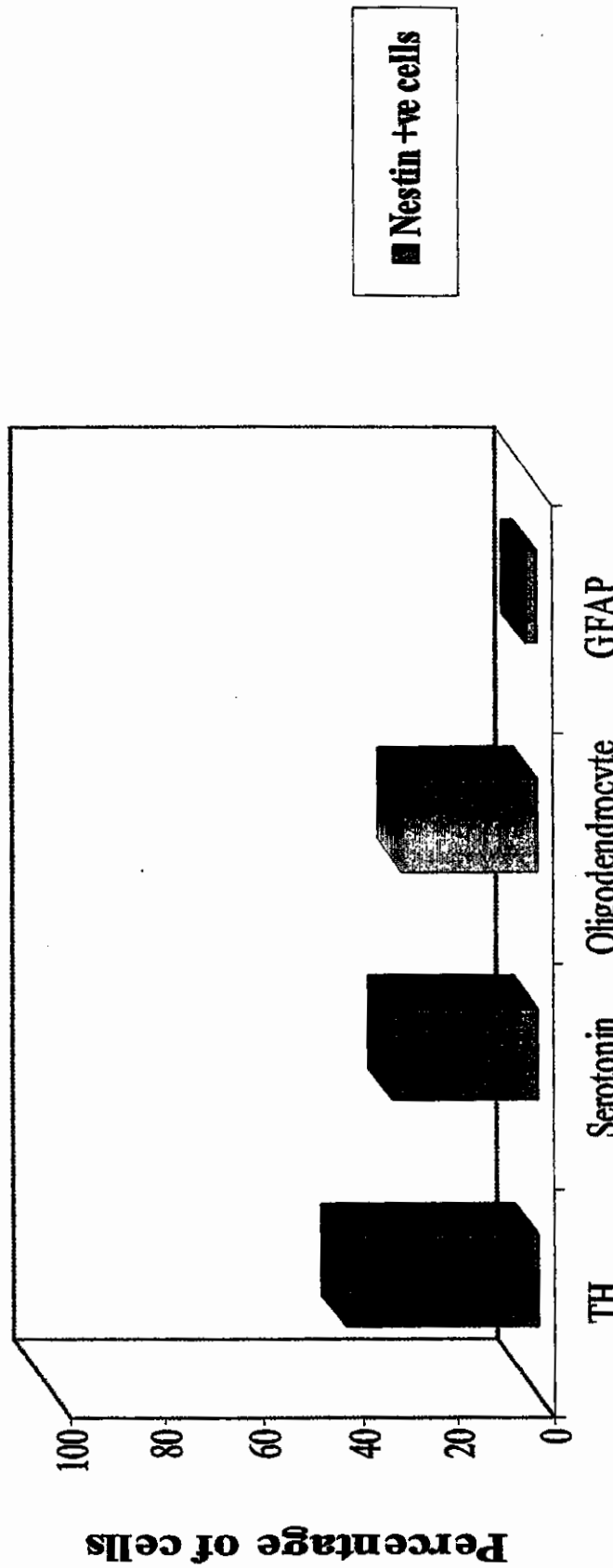


Figure 11 : Quantitative analysis of neuronal populations from Nestin expansion and differentiation. Tyrosine hydroxylase positive cells found to be 40%

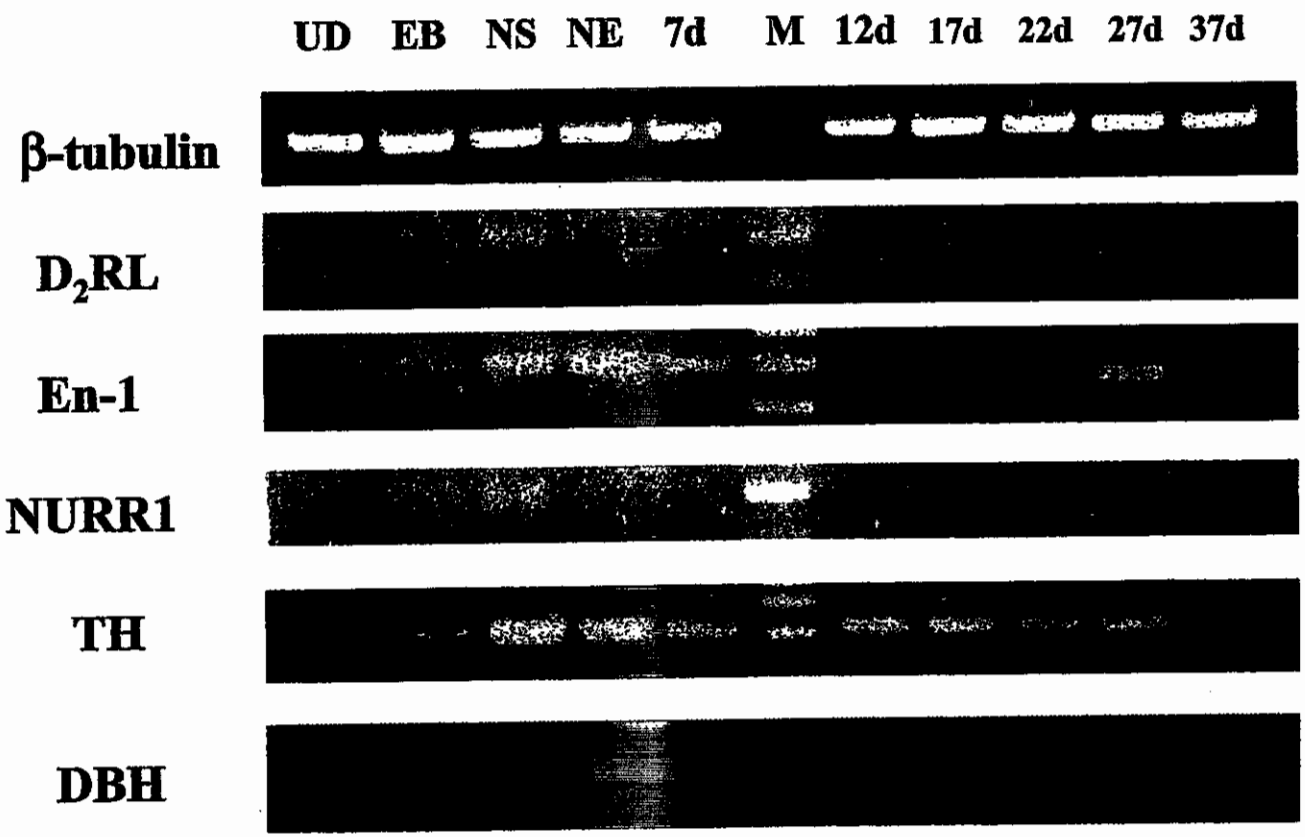


Figure. 12 : Expression of Dopamine specific genes in ES derived neurons

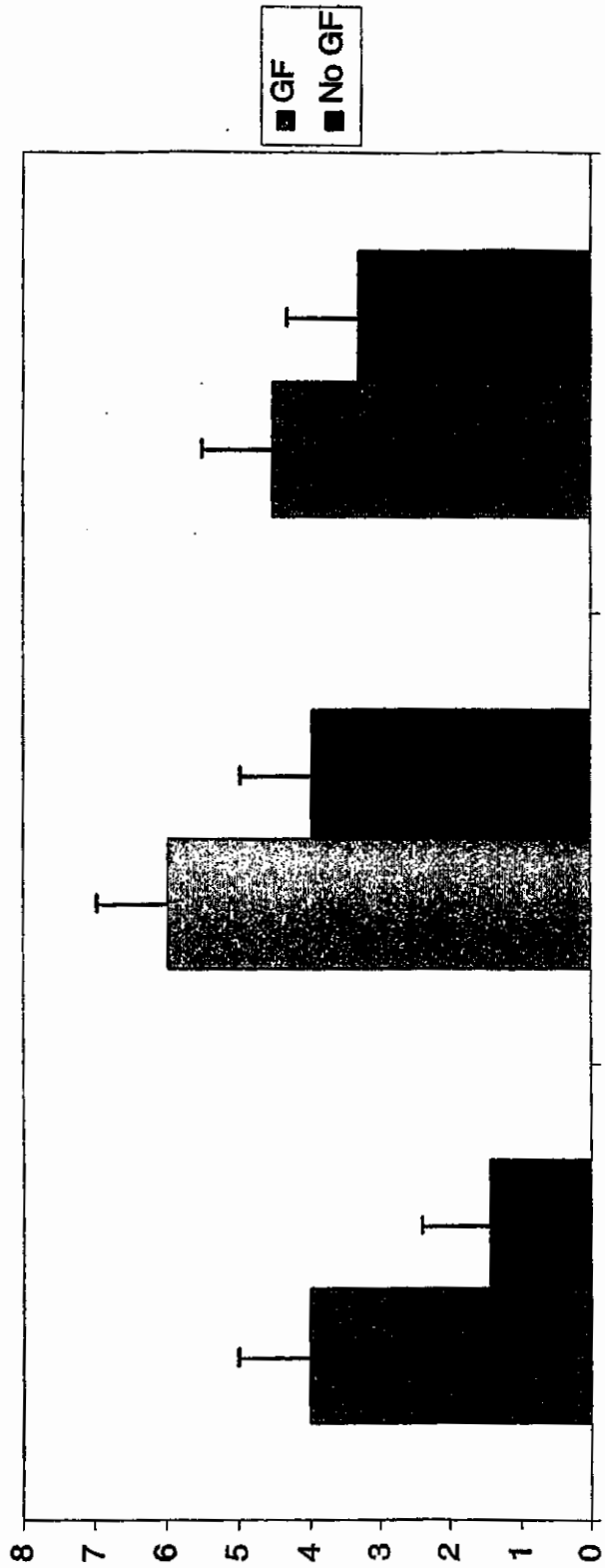


Figure. 13 : Analysis of intracellular dopamine in cell lysates

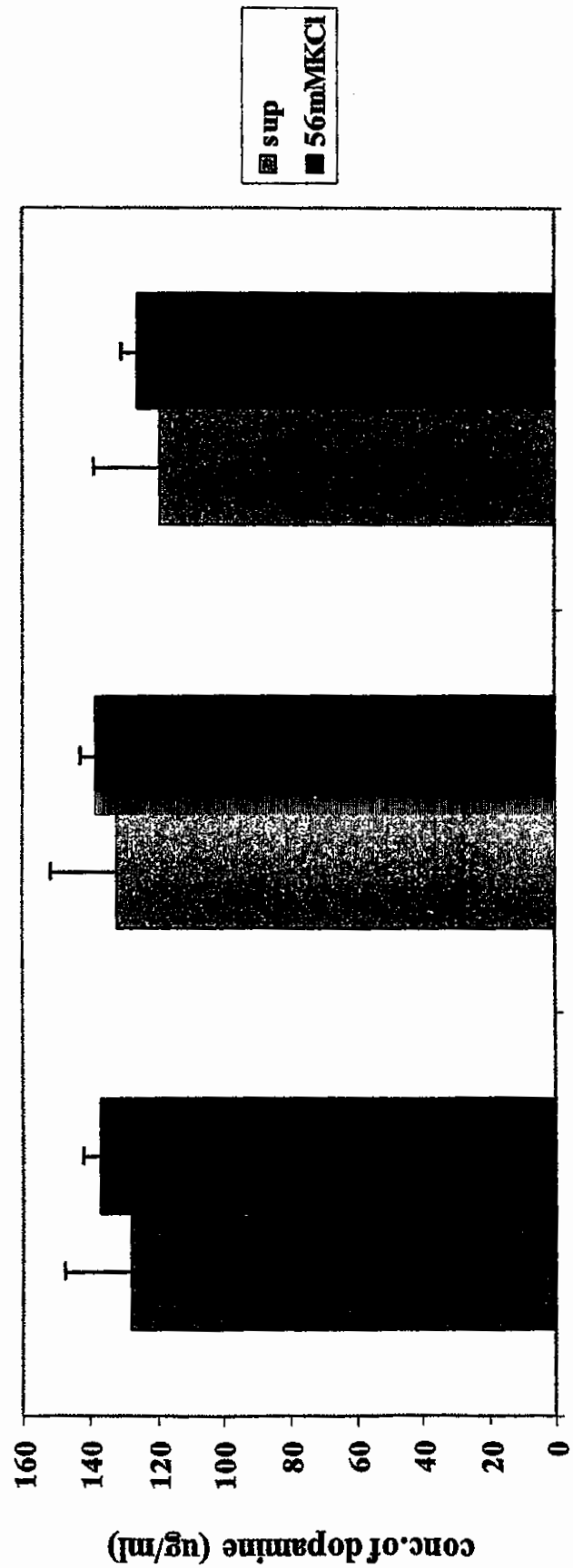


Figure14 : KCl evoked release of dopamine in conditoned medium