

Enzymatic formation
of Dopamine, Noradrenaline & Epinephrine

Incubate 30 mg rabbit ~~muscle~~ + sol
sup 100x TPN 200x / 100x 0.1 ml
pH 7.4 phosphate buffer 25x MgCl₂
200x substrate incubate 1 hr Extract
into butanol. Assay for

Dopamine by HPLC assay

Noradrenaline & Epinephrine by radiometric method

Dopamine 335, 390

Substrate	defect	0.01 ^{mc} / ^{mg} / ^g / ^{min} / ^{test}	
of Tyramine added after	22		
Tyramine	60	1.01	330 (100%)
Dopamine 2.58 ^{15mc} incubate	40		
Dopamine standard 4x, 25 incubate	210		50% recovery
in Dopamine after	30		
Tyramine	48	.4	157
Noradrenaline 405	515	.01	
of Octopamine after	4		
of Octopamine	15	.8	25
in Octopamine after	4		
in Octopamine	13	.6	20
simple 18 ^{mc} incubate	43	130	
new epinephrine standard	1500		30%
Epinephrine 415	525	.01	
Epinephrine after	3		
Epinephrine	45	3	100
Epinephrine 8	120		
	600		76

Concentration only