

Organ	Sympathetic		Parasympathetic	
	Action	Receptor	Action	Receptor
Heart				
SA Node, Heart Rate	Inc	β_1	Dec	M
AV Nodal Conduction	Inc	β_1	Dec	M
Contractility	Inc	β_1	Dec (Atria Only)	M
Vascular Smooth Muscle				
Skin, Splanchnic	Constricts	α_1		
Skeletal Muscle	Dilates	β_2		
Skeletal Muscle	Constricts	α_1		
Endothelium			Releases EDRF	M
Bronchioles	Dilates	β_2	Constricts	M
GI Tract				
Smooth Muscle, Walls	Relaxes	α_2, β_2	Contracts	M
Smooth Muscle, Sphincters	Contracts	α_1	Relaxes	M
Saliva Secretion	Inc	β_1	Inc	M
Gastric Acid Secretion			Inc	M
Pancreatic Secretion			Inc	M
Bladder				
Wall, Detrusor Muscle	Relaxes	β_2	Contracts	M
Sphincter	Contracts	α_1	Relaxes	M
Male Genitalia	Ejaculation	α	Erection	M
Eye				
Radial Muscle, Iris	Dilates Pupil (Mydriasis)	α_1		
Circular Sphincter Muscle, Iris			Constricts Pupil (Miosis)	M
Ciliary Muscle	Dilates (Far Vision)	β	Constricts (Close Vision)	M
Skin				
Sweat Glands, Thermoregulatory	Inc	M* (Symp. Cholinergic Neurons)		
Sweat Glands, Stress	Inc	α		
Pilomotor Muscles (Goosebumps)	Contracts	α		
Lacrimal Glands			Secretion	M
Liver	Gluconeogenesis, Glycogenolysis	α, β_2		
Adipose Tissue	Lipolysis	β_1		
Kidney	Renin Secretion	β_1		