TABLE III

Junctional [^{125}I]α-BTX binding site density during postnatal development

Junctional acetylcholine receptor site densities ([^{125}I]α-BTX binding site densities) were determined for developing endplates in EDL muscles at 1, 3, 5, and 14 days after birth and for adults (>3 months). All animals were of strain 129/ReJ; the number of animals sampled at each age is indicated in parentheses. All of the immature muscles and three of the five adult muscles were labeled after prefixation. Junctional site densities (mean and standard error) are expressed both as sites/μm^2 of junctional surface (sites/μm^2 1° cleft midline) and as sites/μm^2 of specialized thickened membrane. Since, as indicated, at least 200 autoradiographic grains were collected for each analysis, the overall autoradiographic sampling error $\left(\frac{100}{\sqrt{N}}\right)$ at each stage was always < 10%.

Age	No. of Grains Counted	[^{125}I]α-BTX Site Density	
		per μm^2 1° Cleft Midline	per μm^2 Thickened pjm
One day (4)	224	4,850 ± 520	8,200 ± 606
Three days (4)	500	6,300 ± 779	9,050 ± 866
Five days (3)	266	5,250 ± 530	7,900 ± 672
Fourteen days (4)	335	6,400 ± 491	8,800 ± 693
Adult (5)	845	14,050 ± 2,650	10,950 ± 2,225