
Table 1. Summary of quantitative presynaptic data

Presynaptic data	Brain	Cell culture
Active zone	$0.039 \pm 0.022 \mu\text{m}^2$	$0.027 \pm 0.019 \mu\text{m}^2$
PSD	$0.043 \pm 0.031 \mu\text{m}^2$	$0.028 \pm 0.020 \mu\text{m}^2$
Docked vesicle number	10.3 ± 5.6	4.6 ± 3.0
Area per docked vesicle	$62 \times 62 \text{ nm}$	$77 \times 77 \text{ nm}$
Bouton volume	$0.086 \pm 0.049 \mu\text{m}^3$	$0.122 \pm 0.106 \mu\text{m}^3$
Spine volume	$0.038 \pm 0.036 \mu\text{m}^3$	
Total number of vesicles	270 ± 176	195 ± 154
Outer vesicle diameter	$35.2 \pm 3.4 \text{ nm}$	

The left column summarizes values for mouse brain synapses as given in the text. The right column gives corresponding values for rat hippocampal neurons in culture; some entries do not appear in the text but are included here for completeness.