

Table 3. Length and diameter of *S. cerevisiae* cell and various components (mean \pm SD)

Cell components	Length	Diameter	Number measured
Cell	3.85 \pm 0.48 μ m	3.24 \pm 0.42 μ m	36
Nucleus		1.63 \pm 0.20 μ m	36
Nuclear pores		94 \pm 12 nm	20
Spindle pole body		117 \pm 19 nm	8
Mitochondria		230 \pm 30 nm	20
Vacuoles	930 \pm 490 nm	870 \pm 460 nm	47
Autophagosomes	316 \pm 77 nm	263 \pm 67 nm	25
Multivesicular bodies	206 \pm 43 nm	186 \pm 39 nm	16
Microvesicles in multivesicular bodies		39 \pm 6 nm	14
Ribosomes		20 \pm 1 nm	50
Small vesicles		70 \pm 6 nm	20
Filasomes		175 \pm 33 nm	33
Virus-like particle		52 \pm 6 nm	100
Microtubules		25.1 \pm 0.5 nm	24
Microfilaments		7.3 \pm 0.8 nm	7