

Table 2

Estimated number of proteins associated with protein transport in the *E. coli* cell. As the amount of ribosomes, translocases, targeting factors etc. is most likely need based, numbers will vary depending on the cell and growth phase. The numbers refer to the monomer. Adapted from <sup>(1)</sup>Drew et al., 2003, <sup>(2)</sup>Jensen and Pedersen, 1994, <sup>(3)</sup>Teter et al., 1999, <sup>(4)</sup>Woodbury et al., 2000, <sup>(5)</sup>Sachelaru et al., unpublished, <sup>(6)</sup>Matsuyama et al., 1992, <sup>(7)</sup>the concentration was calculated assuming a volume of  $1 \cdot 10^{-15}$  L for the bacterial cytoplasm (cytosol + inner membrane). (Moran et al. (2010) \*dependent on the number of ribosomes.

	Molecules/cell	Concentration
Ribosomes	20,000–30,000 <sup>(1)</sup>	33–50 $\mu\text{M}$ <sup>(7)</sup>
SRP	FFh	200–300* <sup>(2)</sup>
	4.5 sRNA	800–1200* <sup>(2)</sup>
FtsY	10,000 <sup>(1)</sup>	17 $\mu\text{M}$ <sup>(7)</sup>
TF	20,000 <sup>(3)</sup>	33 $\mu\text{M}$ <sup>(7)</sup>
SecA	2000–5000 <sup>(1,6)</sup>	4 $\mu\text{M}$ <sup>(4)</sup>
SecB	12,000 <sup>(7)</sup>	20 $\mu\text{M}$ <sup>(4)</sup>
SecYEG	200–600 <sup>(1,6,7)</sup>	1 $\mu\text{M}$ <sup>(5)</sup>
SecDF	20–40 <sup>(1,6)</sup>	0.03–0.06 $\mu\text{M}$ <sup>(7)</sup>
YidC	2500–3000 <sup>(1,7)</sup>	5 $\mu\text{M}$ <sup>(5)</sup>

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