Potassium concentration in Ocean

3.8e-11 g K+/ L seawater = **3.8e-8 g K+/ m^3 seawater**

Potassium Molar concentration in Seawater

(3.8e-8 g K+ / m^3 seawater) / (39 g / M K+) = **9.74e-10 M K/ m^3**

3.8e-8/39=9.74358974358974358974358974358974358974e-10+

Bequerals Per Mol of K+ in seawater.

10 Bq / m^3 seawater

(10 Bq / m^3) / (9.74e-10 M K / m^2) = 1.03e+10 Bq / M K in 2014

10/9.74e-10= 10266940451.745379876796714579055

K+	Extra-cellular (E) mMol/liter K+	Cyto-plasm (C) mMol/liter K+	Nucleo-plasm (N) mMol/liter K+	N/E	N/C	C/E
Liver	5	162	265	53	1.6	32
Egg Cell	2	106	258	129	2.4	53
Squid Neuron	20	400		0	0.0	20
Mammal Neuron	5	140		0	0.0	28

	Extra-cellular (E) Bq*Mol/liter	Cyto-plasm (C) Bq*Mol/liter	Nucleo-plasm (N) Bq*Mol/liter	N/E	N/C	C/E
Liver	5.15E+007	1.67E+009	2.73E+009	53	1.6	32
Egg Cell	2.06E+007	1.09E+009	2.66E+009	129	2.4	53
Squid Neuron	2.06E+008	4.12E+009	0.00E+000	0	0.0	20
Mammal Neuron	5.15E+007	1.44E+009	0.00E+000	0	0.0	28