

Paired Sample t Test (16/04/2019 19:10:57)

Input Data

	Data	Range
1st Data Range	[Book1]"0+10uM ATP"IA "0 ATP"	[1*:4*]
2nd Data Range	[Book1]"0+10uM ATP"IB "10uM ATP"	[1*:4*]

Descriptive Statistics

	N	Mean	SD	SEM	Median
"0 ATP"	4	-1.92026	0.87334	0.43667	-1.77044
"10uM ATP"	4	-0.73892	0.30401	0.152	-0.77447
Difference	4	-1.18134	0.59668	0.29834	-0.99597
Overall	8	-1.32959	0.87477	0.30928	-1.04703

Test Statistics

t Statistic	DF	Prob> t
-3.95969	3	0.02876

Null Hypothesis: mean1-mean2 = 0

Alternative Hypothesis: mean1-mean2 <> 0

At the 0.05 level, the difference of the population means is significantly different from the test difference(0).

Confidence Intervals for Mean

Conf. Levels in %	Lower Limits	Upper Limits
90	-1.88345	-0.47923
95	-2.13079	-0.23188
99	-2.92392	0.56124

Powers

	Alpha	Sample Size	Power
Actual Power	0.05	4	0.74738
Hypo. Power	0.05	50	1
	0.05	100	1
	0.05	200	1

Plots

