

Supplementary Materials – SM9

Comparisons within each Laboratory of TES and TEF by AuNP and Multiple Comparisons of the Transport Efficiencies Calculated using Either the size or the Frequency Approach with different AuNPs

Table S9. Comparisons within each laboratory of TES and TEF by AuNP and multiple comparisons of the transport efficiencies calculated using either the size or the frequency approach with different AuNPs. TES and TEF are shown as means and standard deviations (SD).

Laboratory	AuNPs	TES % Mean (SD)	Multiple comparisons	TEF % Mean (SD)	Multiple comparisons
Lab 1	AUCN60	7.85 (0.41) ^{oo}	EM.GC80 vs AUCN60**	6.11 (0.51)	EM.GC80 vs LGCQC5050***
	EM.GC80	6.05 (0.24)	EM.GC80 vs PELCO50*	6.10 (0.37)	EM.GC80 vs PELCO50***
	LGCQC5050	10.58 (0.67) ^{oo}	EM.GC80 vs LGCQC5050***	8.46 (0.80)	AUCN60 vs LGCQC5050**
	N8151035	7.42 (0.42) ^{oo}	NISTCaRM vs AUCN60*	6.41 (0.52)	AUCN60 vs PELCO50***
	NISTCaRM	6.36 (0.35)	NISTCaRM vs LGCQC5050***	6.66 (0.36)	N8151035 vs LGCQC5050*
	PELCO50	7.55 (0.42) ^{oo}		8.76 (0.76)	N8151035 vs PELCO50**
Lab 2	AUCN60	11.45 (0.51) ^{oo}	EM.GC80 vs PELCO50***	10.04 (0.36)	EM.GC80 vs PELCO50***
	EM.GC80	9.61 (0.27)	EM.GC80 vs LGCQC5050***	9.54 (0.32)	EM.GC80 vs LGCQC5050***
	LGCQC5050	12.89 (0.37)	N8151035 vs PELCO50*	13.05 (0.72)	NISTCaRM vs LGCQC5050*
	N8151035	11.19 (0.47) ^{oo}	N8151035 vs LGCQC5050**	10.39 (0.36)	AUCN60 vs LGCQC5050**
	NISTCaRM	11.11 (0.08)	AUCN60 vs LGCQC5050*	9.78 (0.08)	AUCN60 vs PELCO50**
	PELCO50	12.70 (0.32)		12.96 (0.72)	
Lab 3	AUCN60	6.16 (1.23)		6.30 (0.42)	
	EM.GC80	5.95 (0.94) ^o		4.70 (0.34)	
	LGCQC5050	8.11 (0.79) ^o	NISTCaRM vs LGCQC5050**	6.18 (0.30)	EM.GC80 vs AUCN60*
	N8151035	6.70 (0.50)	EM.GC80 vs LGCQC5050*	5.94 (0.16)	EM.GC80 vs PELCO50***
	NISTCaRM	5.46 (0.46)		4.74 (0.60)	NISTCaRM vs PELCO50**
	PELCO50	7.34 (0.47)		7.01 (0.13)	
Lab 4	AUCN60	6.46 (0.40) ^o		6.17 (0.25)	
	EM.GC80	6.20 (0.42) ^{oo}	EM.GC80 vs LGCQC5050***	5.40 (0.13)	EM.GC80 vs LGCQC5050***
	LGCQC5050	7.73 (0.47)	EM.GC80 vs PELCO50***	7.78 (0.27)	EM.GC80 vs PELCO50***
	N8151035	6.81 (0.40) ^{oo}	AUCN60 vs LGCQC5050**	6.25 (0.28)	AUCN60 vs LGCQC5050*
	NISTCaRM	-	AUCN60 vs PELCO50**	-	AUCN60 vs PELCO50*
	PELCO50	7.78 (0.44)		7.85 (0.36)	N8151035 vs PELCO50*
Lab 5	AUCN60	12.71 (0.72) ^{oo}	EM.GC80 vs LGCQC5050***	4.14 (1.03)	AUCN60 vs N8151035**
	EM.GC80	11.26 (0.55) ^{oo}	EM.GC80 vs PELCO50**	5.93 (0.71)	AUCN60 vs LGCQC5050**
	LGCQC5050	17.31 (1.05) ^{oo}	N8151035 vs LGCQC5050**	9.25 (0.97)	AUCN60 vs PELCO50***
	N8151035	12.56 (0.73) ^{oo}	NISTCaRM vs LGCQC5050**	8.76 (0.51)	NISTCaRM vs LGCQC5050*
	NISTCaRM	12.64 (0.73) ^{oo}	AUCN60 vs LGCQC5050*	5.34 (0.99)	NISTCaRM vs PELCO50***
	PELCO50	14.29 (0.91) ^{oo}		12.26 (0.61)	EM.GC80 vs PELCO50**
Lab 6	AUCN60	11.13 (0.78) ^{oo}		7.41 (0.90)	AUCN60 vs N8151035*
	EM.GC80	11.04 (0.77) ^{oo}	EM.GC80 vs LGCQC5050***	8.37 (0.91)	AUCN60 vs LGCQC5050***
	LGCQC5050	14.63 (0.93) ^{oo}	EM.GC80 vs PELCO50***	12.48 (0.76)	AUCN60 vs PELCO50***
	N8151035	12.44 (0.82) ^{oo}	AUCN60 vs LGCQC5050***	10.4 (0.56)	NISTCaRM vs LGCQC5050**
	NISTCaRM	12.44 (0.82) ^{oo}	AUCN60 vs PELCO50**	8.34 (0.69)	NISTCaRM vs PELCO50**
	PELCO50	13.95 (0.98) ^{oo}		12.86 (0.80)	EM.GC80 vs LGCQC5050**
					EM.GC80 vs PELCO50**

Lab 7	AUCN60	8.81 (0.54)		6.72 (2.84)	
	EM.GC80	8.44 (0.50) ^{°°}	EM.GC80 vs LGCQC5050***	7.33 (0.23)	EM.GC80 vs LGCQC5050**
	LGCQC5050	11.51 (1.18) ^{°°}	EM.GC80 vs PELCO50***	8.77 (0.98)	EM.GC80 vs PELCO50***
	N8151035	9.13 (0.41)	AUCN60 vs LGCQC5050**	9.05 (0.3)	NISTCaRM vs N8151035*
	NISTCaRM	9.34 (0.57) ^{°°}	AUCN60 vs PELCO50**	7.55 (0.65)	NISTCaRM vs PELCO50**
	PELCO50	11.27 (0.70) ^{°°}	N8151035 vs LGCQC5050*	9.48 (0.68)	AUCN60 vs PELCO50*
°p<0.05, °°p<0.01 TES vs TEF					
*p<0.05, **p<0.01, ***p<0.001 multiple comparisons of the TEs by AuNP (using either the TES or TEF approach)					