

Meaning of Coli-Inspector column titles

Axis	[um], Cell length (red line)
Area	[um ²], projected area detected by particle analyzer in Chn 1
Dia	[um], cell diameter (green), calculated from Axis and Area, assuming rod shape
Constr	[um], distance between two yellow constriction points
Age	[0..100%], Calculated from Axis length*, or any other parameter with monotonic growth (assuming steady-state population)
Thr	Threshold used for particle analyzer in Chn 1
StartX, StartY	Start position used by particle analyzer in Chn 1
Volume	[um ³], cell volume, sum of 1-pixel-thick discs
MinDiaCenter	[um] smallest diameter in central 0.8um of cell length*
VolCenter	[um ³] volume of central 0.8um of cell length*
FlChannel	channel number used for Map-dependent fluorescence results
FluorTotal	Integrated fluorescence, calculated from Map
FluorCenter	Integrated fluorescence along central 0.8um of cell axis*
FluorPole	sum of int. fluorescence of both poles (0.6um from cell end) *
ConcCenter	[um ⁻³] FluorCenter/VolCenter
ConcOffCenter	[um ⁻³] (FluorTotal - FluorCenter)/ (Volume - VolCenter)
FCPlus	(ConcCenter - ConcOffCenter) * VolCenter = extra fluorescence in center (possibly negative)
WallArea	[um ²] Calculated from Map
ConcTotal	[um ⁻³]FluorTotal/Volume
ConcWall	[um ⁻²]FluorTotal/WallArea

***Default values (can be changed in Embedded macros):**

centerPiece = 0.8um

endPiece = 0.6um

Age derived from Axis