

Cell lines counted on the TC10 automated cell counter.*

Cell Name	Morphology	Organism	Source Organ/Disease	Growth Properties
CCD-1137Sk	Fibroblast	Human	Skin (foreskin)	Adherent
CHO	Epithelial	Chinese hamster	Ovary	Adherent
COS-7	Fibroblast	African green monkey	Kidney	Adherent
HeLa	Epithelial	Human	Cervix carcinoma	Adherent
Jurkat	Lymphoblast	Human	Acute T-cell leukemia	Suspension
K562	Lymphoblast	Human	Bone marrow, chronic myelogenous leukemia	Suspension
MCF-7	Epithelial	Human	Mammary gland, adenocarcinoma	Adherent
MEF	Fibroblast	Mouse	Embryo	Adherent
NIH 3T3	Fibroblast	Mouse	Embryo	Adherent
PP034	Lymphoid	Human	B cell	Suspension
Vero	Epithelial	African green monkey	Kidney	Adherent

* The TC10 counter can count cells with a round shape after trypsinization.

Other samples counted on the TC10 automated cell counter.

Sample Name	Organism
<i>Amoeba</i> species*	Unicellular protozoan
Bio-Plex® beads*	Magnetic and polystyrene beads
<i>Chlamydomonas</i> *	Unicellular flagellate
<i>Entamoeba histolytica</i> *	Unicellular protozoan
<i>Myxomycetes</i> *	Slime mold spores
<i>Saccharomyces cerevisiae</i> **	Unicellular fungus

* Total cell count only; samples do not incorporate trypan blue dye.

** Total cell count only; cells are not within the cell viability range.

Specifications

Counting time	30 sec
Cell concentration range	5 x 10 ⁴ –1 x 10 ⁷ cells/ml
Optimal cell concentration range	1 x 10 ⁵ –5 x 10 ⁶ cells/ml
Cell diameter range	
Total count	6–50 µm
Live count	10–50 µm
Dimensions (W x D x H)	19 x 15 x 25.4 cm (7.5 x 6 x 10")
Weight	2.2 kg (4.8 lb) (without the external power supply)

Ordering Information

Catalog # Description

TC10 Automated Cell Counter

- 145-0001 **TC10 Automated Cell Counter**, 100–240 V, includes instrument, USB key, 30 TC10 dual-chamber counting slides (60 counts), 1.5 ml TC10 trypan blue dye
- 145-0009 **TC10 Automated Cell Counter with Printer**, 100–240 V, includes instrument, USB key, TC10 thermal label printer, 1 roll of 185 labels, 30 TC10 dual-chamber counting slides (60 counts), 1.5 ml TC10 trypan blue dye

Kits and Reagents

- 145-0003 **TC10 Counting Kit**, includes 30 TC10 dual-chamber counting slides (60 counts), 1.5 ml TC10 trypan blue dye
- 145-0021 **TC10 Trypan Blue Dye**, 0.4% in 0.81% sodium chloride and 0.06% potassium phosphate dibasic solution, sterile filtered, sufficient for 750 counts (10 µl/count), 5 x 1.5 ml
- 145-0022 **TC10 Trypan Blue Dye**, 0.4% in 0.81% sodium chloride and 0.06% potassium phosphate dibasic solution, sterile filtered, sufficient for 1,500 counts (10 µl/count), 10 x 1.5 ml
- 145-0014 **TC10 Verification Kit**, includes TC10 verification slide, protocol

Catalog # Description

Accessories

- 145-0005 **TC10 Thermal Label Printer**, includes label printer, USB cable, 1 roll of 185 labels
- 145-0007 **Thermal Printer Labels**, 1 roll of 185 labels, for TC10 thermal label printer
- 145-0015 **TC10 Counting Slides**, 150 dual-chamber slides (300 counts)
- 145-0016 **TC10 Counting Slides**, 300 dual-chamber slides (600 counts)
- 145-0017 **TC10 Counting Slides**, 600 dual-chamber slides (1,200 counts)
- 145-0018 **TC10 Counting Slides**, 900 dual-chamber slides (1,800 counts)
- 145-0019 **TC10 Counting Slides**, 1,200 dual-chamber slides (2,400 counts)
- 145-0020 **TC10 Counting Slides**, 2,400 dual-chamber slides (4,800 counts)

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Practice of the polymerase chain reaction (PCR) may require a license.



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