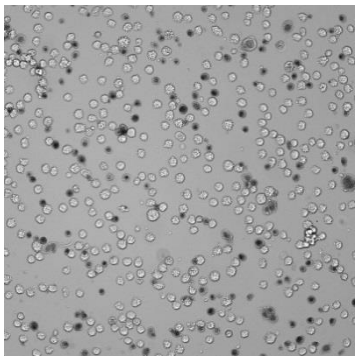
Quick Guide - Cell Viability
Trypan Blue Staining



Quick Guide
QG-B004-XVII-01

Contents

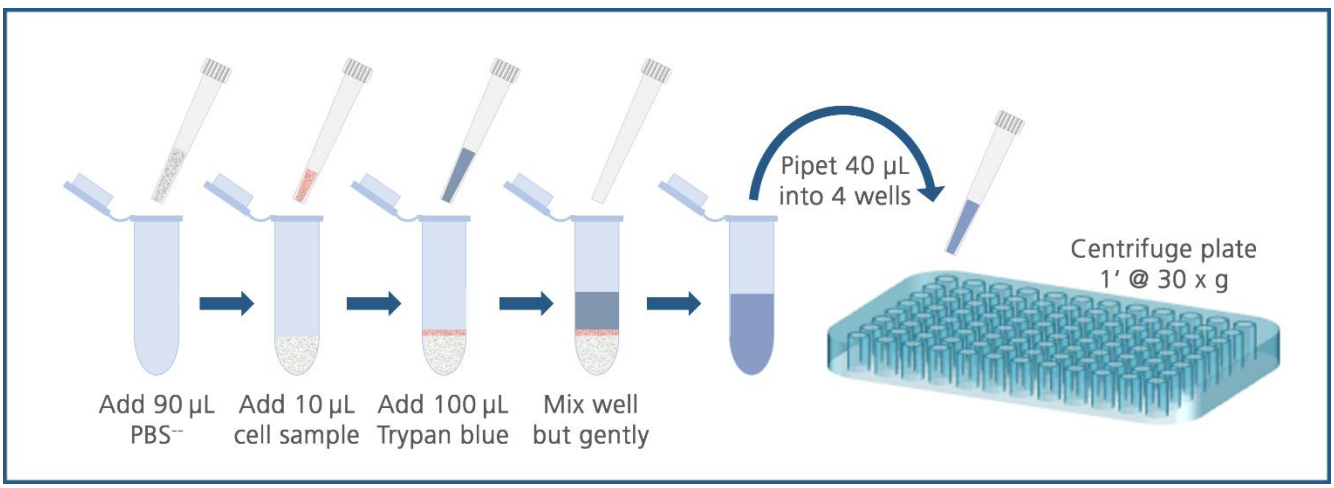
1x 20 mL Trypan blue 0.02%
1x 20 mL Phosphate Buffered Saline w/o Ca^{2+} & Mg^{2+} ($DPBS^{--}$)

Protocol for 96-well Half Area Plates

Example for a 1:20 dilution and 4 wells per sample:

1. Pipet 90 µL $DPBS^{--}$ into a e.g. 1.5 mL centrifuge tube
2. Add 10 µL cell suspension
3. Add 100 µL Trypan blue staining solution and mix well but gently
4. Pipet 40 µL into 4 wells of a 96-well half area plate
5. Repeat steps 1. – 4. for every sample
6. Centrifuge plate 1 min at 30 x g
7. Measure plate

Expected Cell Density	Final Dilution	PBS^{--} [µL]	Cell Sample [µL]	Trypan Blue [µL]
< 0.1 x 10^6	1:2	-	100	100
0.1 – 0.5 x 10^6	1:5	60	40	100
0.5 – 1 x 10^6	1:10	80	20	100
1 – 3 x 10^6	1:20	90	10	100
3 – 6 x 10^6	1:40	95	5	100
6 – 10 x 10^6	1:80	97.5	2.5	100



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