

Envirocheck® Contact TVC (Total Viable Counts)

Envirocheck® Contact TVC is used to check for Total Colony Counts. One side has Nutrient Agar with 0.05 % TTC (Triphenyl Tetra-zolium Chloride) indicating bacterial growth in form of red colonies due to the formation of red formazan dye. The other side is coated with Nutrient Agar, a medium that is recommended by APHA (American Public Health Association) for testing of foodstuffs.

Typical Composition (g/litre)

side 1: Nutrient Agar
Meat extract 3.0; meat peptone 5.0;
Agar Agar 12.0

side 2: Nutrient Agar w/ TTC
Meat extract 3.0; meat peptone 5.0;
Agar Agar 12.0; TTC 0.05
(only in Nutrient Agar w/TTC)

pH: 7.0 ± 0.2 (at 25 °C)

Ordering Information

Product	Merck Cat. No.	Pack size
Envirocheck® Contact TVC (Total Viable Counts)	1.02149.0001	1 x 10 slides

Quality Control

Test strains	Nutrient Agar w/TTC	Nutrient Agar
Escherichia coli ATCC 8739	good growth	good growth
Staphylococcus aureus ATCC 6538	fair / good growth	good growth
Candida albicans ATCC 10231	no / poor growth	good growth
Pseudomonas aeruginosa ATCC 9027	good growth	good growth
Bacillus subtilis ATCC 6633	good growth	good growth
Aspergillus niger ATCC 16404	good growth	good growth