

ColiPlate™ Instructions for Use:

The easiest and most common means of filling the microplate, **ColiPlate™** with sample water is as follows:

1. Remove the microplate lid. Using the sample bottle in which the water sample was collected, gently pour a small stream of water onto the plate, running the stream along each row of wells so that water enters each well. Using sample bottles with smaller necks makes the pouring easier. When all wells are full and excess sample water remains on the plate, gently tap the side of the microplate to dislodge any air bubbles which may remain in the bottom of some wells. To ensure that all wells are full, view the plate in a manner where light is reflected off the surface of the wells to your eye. Top up any wells which are not full.
2. To remove excess water from the top of the plate, tilt the plate on a slight angle to one of the plate corners and drain off. Again, tap the plate while tilted to assist draining excess water off the top of the wells. Use a paper towel or tissue to wick away the last few drops of water at the low corner of the plate. Viewing the surface of the plate in reflected light should now reveal that all wells are full, that the surface water on each well has a slight concave shape, and that no excess water remains on the surface of the plate. If any wells remain unfilled, top up with a little more sample water and drain off excess.
3. Replace microplate lid and incubate at 35°C for 24 to 30 hours.

No. Wells Giving Positive Reaction	MPN 100mL Sample	No. Wells Giving Positive Reaction	MPN 100mL Sample	No. Wells Giving Positive Reaction	MPN 100mL Sample	No. Wells Giving Positive Reaction	MPN 100mL Sample
0	<3						
1	3	25	76	49	182	73	388
2	5	26	79	50	188	74	403
3	8	27	83	51	194	75	418
4	11	28	87	52	200	76	343
5	13	29	90	53	206	77	451
6	16	30	94	54	213	78	469
7	19	31	98	55	219	79	489
8	22	32	102	56	226	80	510
9	25	33	106	57	233	81	534
10	28	34	110	58	240	82	559
11	30	35	114	59	247	83	587
12	33	36	119	60	255	84	619
13	36	37	123	61	263	85	654
14	39	38	127	62	271	86	694
15	43	39	132	63	280	87	740
16	46	40	136	64	289	88	794
17	49	41	141	65	298	89	858
18	52	42	146	66	307	90	938
19	55	43	151	67	317	91	1038
20	59	44	156	68	328	92	1174
21	62	45	161	69	339	93	1370
22	65	46	166	70	350	94	1696
23	69	47	171	71	362	95	2424
24	72	48	177	72	375	96	>2424

Quantification is based on the Most Probable Number (MPN) of colony forming-units (cfu) per 100mL sample.

INTENDED USE:

The **ColiPlate™** is a convenient and accurate test for quantitative measuring of total coliforms and *E. coli*. The test is designed to meet regulatory guidelines for surface waters, recreational waters, processing waters and wastewaters. The **ColiPlate™** enables a quantification of coliforms and *E.coli* density ranging between ca. 3 to 2,400 cfu/100mL in a single test unit without dilution.

The distinctive blue/green coloration of positive tested samples enables analysis of brownish, turbid or rust filled water.

Please contact EBPI (Environmental Bio-Detection Products Inc.) with any questions or concerns at info@Biotoxicity.com



Blue colour indicative of coliforms



Fluorescence indicative of E.Coli