Supplementary Table 1 Comparison of repair of epithelial cell injury in each group

Group	Number	0 h	48 h	96 h
A	20	30	75	80
В	20	33	72	85
Control	20	10	32	35
P		0.005	0.004	0.003

Supplementary Table 2 Comparison of monolayer cell barrier function (TER) in each

group

Group	Number	0 h	3 h	9 h	12 h
A	20	1650	1580	1530	1490
В	20	1620	1540	1520	1450
Control	20	1630	1480	932	500
P		0.005	0.004	0.001	0.006

Supplementary Table 3 The function of monolayer cell barrier was detected by Western blot (Optical density value)

Group	Number	ZO-1	Occludin	β -actin
A	20	896.36±75.82	631.75±59.28	901.52±79.38
В	20	1002.79±79.23	790.17±68.57	1527.49±89.48
Control	20	723.05±69.25	512.86±55.02	311.36±43.75
P		0.002	0.001	0.001

Supplementary Table 4 The expression of tight junction protein in monolayer cells was detected by Western blot (Optical density value)

Group	Number	ZO-1	Occludin	β -actin
-	20	1203.85±102.58	1365.14±113.60	1260.36±90.18
+	20	224.55±32.57	1295.11±98.25	1265.03±115.57
-	20	1320.52±85.71	1251.96±88.25	1209.15±101.23
+	20	1293.17±75.49	127.78±77.19	1299.05±113.26
P	-	0.000	0.129	0.098

Supplementary Table 5 Effects of monolayer cells on bacterial adhesion and invasion in each group

Group	A	В	Control	P
Number	20	20	20	
CFU	1.7×10^4	1.8×10^4	3.2×10^4	0.007