

1 **Supplemental documents**

2 **sTable 1 Primers used in this study**

Gene	Primer sequence
BVDV 5'UTR	F: 5'TACAGGGTAGTCGTCAGTGGTTCG3'
	R: 5'AGCACCCCTATCAGGCTGTATTCGTAA3'
<i>GAPDH</i>	F: 5'-TGA ACC ACGAGAAGTATA ACA ACA CCC-3'
	R: 5'-TAA GTC CCT CCA CGA TGC CAA AG-3'
<i>IRF1</i>	F:5'-GTG GAT GGG AAG GGG TAT CT-3'
	R:5'-ATA TAA CCC CCA GGG CTG TC-3'
<i>IRF3</i>	F:5'-GGC TTG TGA TGG TCA AGG TT-3'
	R:5'-TGC ACG TCG ACA GTG TTC TC-3'

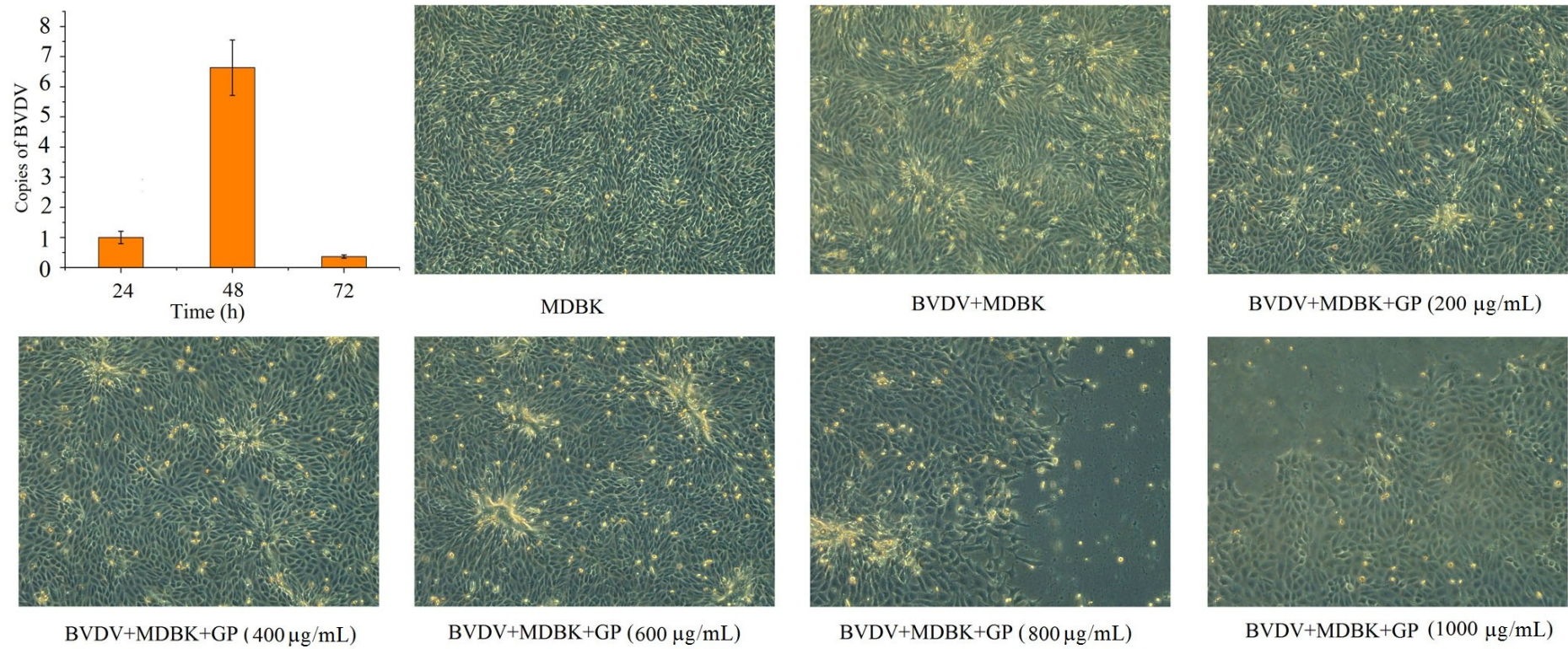
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sTable 2 Concentration of GP at different extraction temperature and Solid-Liquid ratio

Solid-Liquid ratio (g/ml)	Time (min)	Concentration of GP (mg/mL) at different extraction temperature (°C)				
		50	60	70	80	90
1:10	30	31.531±0.262	38.651±0.219	106.351±0.175	106.642±0.192	85.568±0.117
	60	35.442±1.146	46.16±0.195	118.958±0.721	126.071±0.115	98.091±0.145
	90	41.627±0.342	57.607±0.109	128.961±0.802	158.988±0.209	112.946±0.209
	120	56.977±0.113	79.627±0.117	141.710±0.431	184.649±0.314	124.024±0.231
	150	63.925±0.803	93.595±0.236	149.944±0.176	203.242±0.387	135.763±0.287
	180	74.153±0.169	119.003±0.228	165.311±0.542	217.980±0.651	155.133±0.327
1:15	30	22.688±0.194	47.676±0.309	45.557±0.243	59.674±0.765	56.998±0.406
	60	27.174±0.163	57.957±0.317	56.849±0.319	68.173±0.283	71.736±0.280
	90	33.618±0.349	64.792±0.336	59.764±0.517	73.706±0.334	77.340±0.519
	120	41.482±0.613	67.117±0.375	66.534±0.609	89.947±0.178	82.154±0.218
	150	48.090±0.252	68.471±0.318	73.757±0.831	102.283±0.286	88.865±0.236
	180	56.564±0.284	71.911±0.265	81.830±0.624	121.135±0.678	97.054±0.735
1:20	30	12.729±0.252	22.351±0.276	22.241±0.521	21.431±0.513	42.558±0.404
	60	14.843±0.254	24.910±0.276	29.321±0.576	25.752±0.602	51.329±0.785
	90	16.585±0.288	26.264±0.276	32.710±0.714	30.734±0.176	61.170±0.485
	120	19.286±0.211	28.129±0.211	39.201±0.286	35.671±0.112	68.393±0.935
	150	22.998±0.208	30.824±0.652	43.516±0.913	41.074±0.234	70.680±0.805
	180	28.337±0.194	35.443±0.734	49.975±0.228	46.431±0.278	77.722±0.835



sFig. 1 The copy number of BVDV in MDBK cells and cellular morphology of MDBK cells of different treatment with GP

