

**Total intraction assays of UPEC-46 and control strains in HeLa cells expressed in CFU/mL**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	6000000	500000	20000
A(2)	8000000	230000	93000
B(1)	15000000	130000	77000
B(2)	10000000	270000	100000
C(1)	12000000	970000	330000
C(2)	10000000	2300000	97000

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times

**Total interaction assays of UPEC-46 and control strains in HeLa cells expressed in Log<sub>10</sub> CFU/mL**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	6.78	5.7	5.3
A(2)	6.9	5.36	4.97
B(1)	7.18	5.11	4.89
B(2)	7	5.43	5
C(1)	7.08	5.99	5.52
C(2)	7	6.36	4.99

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times

**Internalized bacteria assays of UPEC-46 and control strains in HeLa cells expressed in CFU/mL**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	27000	73000	100
A(2)	50000	17000	23
B(1)	100000	37000	10
B(2)	770000	50000	72
C(1)	93000	230000	72
C(2)	10000	470000	24

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times

**Internalized bacteria assays of UPEC-46 and control strains in HeLa cells expressed in Log<sub>10</sub> CFU/mL**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	4.43	4.86	2
A(2)	4.7	4.23	1.36
B(1)	5	4.57	1
B(2)	5.89	4.69	1.86
C(1)	4.96	5.36	1.86
C(2)	4	5.67	1.38

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times

**Invasion assays of UPEC-46 and control strains in HeLa cells expressed in pocentage (%)**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	0.45	14.6	0.05
A(2)	0.625	7.39	0.02
B(1)	0.667	28.46	0.01
B(2)	0.77	18.52	0.07
C(1)	0.775	23.71	0.04
C(2)	0.1	20.43	0.02

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times

**Total intraction assays of UPEC-46 and control strains in HT-29 cells expressed in CFU/mL**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	97000000	100000	20000
A(2)	80000000	170000	15000
B(1)	63000000	890000	100000
B(2)	100000000	1000000	9600
C(1)	130000000	470000	27000
C(2)	40000000	530000	18000

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times

**Total interaction assays of UPEC-46 and control strains in HT-29 cells expressed in Log<sub>10</sub> CFU/mL**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	7.99	5	4.3
A(2)	7.9	5.23	4.18
B(1)	7.8	5.95	5
B(2)	8	6	3.98
C(1)	8.11	5.67	4.43
C(2)	7.6	5.72	4.26

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times

**Internalized bacteria assays of UPEC-46 and control strains in HT-29 cells expressed in CFU/mL**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	50000	9300	1
A(2)	100000	17000	1
B(1)	130000	17000	1
B(2)	100000	170000	1
C(1)	130000	50000	1
C(2)	80000	50000	1

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times

**Internalized bacteria assays of UPEC-46 and control strains in HT-29 cells expressed in Log<sub>10</sub> CFU/mL**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	4.7	3.97	0
A(2)	5	4.23	0
B(1)	5.11	4.23	0
B(2)	5	5.23	0
C(1)	5.11	4.7	0
C(2)	4.9	4.7	0

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times

**Invasion assays of UPEC-46 and control strains in HT-29 cells expressed in pocentage (%)**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	0.052	9.3	0
A(2)	0.125	10	0
B(1)	0.206	1.91	0
B(2)	0.1	17	0
C(1)	0.1	10.64	0
C(2)	0.2	9.43	0

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times

**Total intraction assays of UPEC-46 and control strains in 5637 cells expressed in CFU/mL**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	100000000	500000	10000
A(2)	100000000	1300000	10000
B(1)	100000000	970000	1000
B(2)	100000000	100000	1000
C(1)	200000000	430000	100000
C(2)	330000000	930000	10000

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times

**Total interaction assays of UPEC-46 and control strains in 5637 cells expressed in Log<sub>10</sub> CFU/mL**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	8	5.7	4
A(2)	8	6.11	4
B(1)	7	5.99	3
B(2)	7	5	3
C(1)	7.3	5.63	5
C(2)	7.52	5.96	4

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times

**Internalized bacteria assays of UPEC-46 and control strains in 5637 cells expressed in CFU/mL**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	1000000	20000	1
A(2)	1000000	100000	1
B(1)	33000	100000	1
B(2)	13000	10000	1
C(1)	50000	57000	1
C(2)	90000	100000	1

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times

**Internalized bacteria assays of UPEC-46 and control strains in 5637 cells expressed in Log<sub>10</sub> CFU/mL**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	6	4.3	0
A(2)	6	5	0
B(1)	4.52	5	0
B(2)	4.11	4	0
C(1)	4.7	4.76	0
C(2)	4.95	5	0

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times

**Invasion assays of UPEC-46 and control strains in 5637 cells expressed in pocentage (%)**

Repetitions	UPEC-46	<i>S. flexneri</i> 2a	C600
A(1)	1	4	0
A(2)	1	7.69	0
B(1)	0.33	10.3	0
B(2)	0.13	10	0
C(1)	0.25	13.26	0
C(2)	0.27	10.75	0

Note: 3 h and absence D-mannose. The assays were performed in duplicate and repeated three times