## RESULTS (continued)

### Table 1
### Titer Results

| Sample | Replicate(s) | Contact Time | Titer ($Log_{10}TCID_{50}/mL$) | Volume (mL) | Volume Correction [a] | Viral Load ($Log_{10}TCID_{50}$) |
|---|---|---|---|---|---|---|
| Virus Stock Titer Control (VST) | N/A | N/A | 8.05 | - | - | - |
| Cell Viability Control (CVC) | | | no virus was detected, cells remained viable; media were sterile | | | |
| Virus Recovery Control (VRC) | 1 | 10 minutes | 7.30 | 4 | 2 | 8.20 |
| | 2 | | 7.55 | 4 | 2 | 8.45 |
| | 3 | | 7.05 | 4 | 2 | 7.95 |
| VRC - Average | - | | - | - | - | 8.20 |
| FPQM (Lot No. FP206141) | 1 | 15 seconds | ≤ 2.83 * | 4 | 2 | ≤ 3.73 |
| | 2 | | ≤ 2.83 * | 4 | 2 | ≤ 3.73 |
| | 3 | | ≤ 2.83 * | 4 | 2 | ≤ 3.73 |
| | 1 | 60 seconds | ≤ 2.83 * | 4 | 2 | ≤ 3.73 |
| | 2 | | ≤ 2.83 * | 4 | 2 | ≤ 3.73 |
| | 3 | | ≤ 2.83 * | 4 | 2 | ≤ 3.73 |
| | 1 | 10 minutes | ≤ 2.83 * | 4 | 2 | ≤ 3.73 |
| | 2 | | ≤ 2.83 * | 4 | 2 | ≤ 3.73 |
| | 3 | | ≤ 2.83 * | 4 | 2 | ≤ 3.73 |

### Table 2
### Neutralizer Effectiveness and Cytotoxicity Related Controls
FPQM (**Lot No. FP206141**)

| Dilution*** | Neutralization Effectiveness Viral Intereferece | Cytotoxicity |
|---|---|---|
| $10^{-1}$ | Virus detected in all 4 wells | Cytotoxicity observed in all 4 wells |
| $10^{-2}$ | Virus detected in all 4 wells | No cytotoxicity observed in all 4 wells |
| $10^{-3}$ | Virus detected in all 4 wells | No cytotoxicity observed in all 4 wells |

*** Dilution refers to the fold of dilution from the neutralized test agent.

## RESULTS (continued)

### Table 3
### Reduction Factor(s)

| Test Agent | Replicates | Contact time | Input Load ($Log_{10}TCID_{50}$)* | Output Load ($Log_{10}TCID_{50}$) | Reduction ($Log_{10}TCID_{50}$) | Percent $Log_{10}$ Reduction |
|---|---|---|---|---|---|---|
| FPQM (Lot No. FP206141) | 1 | 15 seconds | 8.20 | ≤ 3.73 | **≥ 4.47** | **≥ 99.997** |
| | 2 | | | ≤ 3.73 | **≥ 4.47** | **≥ 99.997** |
| | 3 | | | ≤ 3.73 | **≥ 4.47** | **≥ 99.997** |
| | 1 | 60 seconds | | ≤ 3.73 | **≥ 4.47** | **≥ 99.997** |
| | 2 | | | ≤ 3.73 | **≥ 4.47** | **≥ 99.997** |
| | 3 | | | ≤ 3.73 | **≥ 4.47** | **≥ 99.997** |
| | 1 | 10 minutes | | ≤ 3.73 | **≥ 4.47** | **≥ 99.997** |
| | 2 | | | ≤ 3.73 | **≥ 4.47** | **≥ 99.997** |
| | 3 | | | ≤ 3.73 | **≥ 4.47** | **≥ 99.997** |

## CONCLUSIONS

Equibal Lab's FPQM (Lot No. FP206141) was evaluated for the ability to inactivate Herpes Simplex Virus Type 1, Strain HF. FPQM achieved a viral reduction of ≥ 4.47 $Log_{10}$ (≥ 99.997%) beyond the cytotoxic level for exposure time of 15 seconds, 60 seconds and 10 minutes when tested against Herpes Simplex Virus Type 1.

All of the controls met the criteria for a valid test. These conclusions are based on observed data.