MDCK, Kidney (Canine), Working Cell Bank

Catalog No. NR-2628
(Derived from ATCC® COL-34™)

Product Description: Madin-Darby canine kidney (MDCK) cells are an adherent epithelial cell line derived from the kidney of an adult cocker spaniel in 1958.

Lot: 494646-2

Manufacturing Date: 24APR2006

<table>
<thead>
<tr>
<th>TEST</th>
<th>SPECIFICATIONS</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Growth Properties</td>
<td>Adherent</td>
<td>Adherent</td>
</tr>
<tr>
<td>Cell Count</td>
<td>Report results</td>
<td>3 X 10⁶ cells/vial</td>
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<tr>
<td>Post-Freeze Viability</td>
<td>&gt; 50%</td>
<td>98%</td>
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</tbody>
</table>

Sterility (21 CFR 210 and 211)
14-day incubation of NR-2628:
- Fluid thioglycollate broth, 30–35°C, anaerobic
- Soybean-casein digest broth, 20–25°C, aerobic
No growth
No growth
No growth
No growth

Bacteriostasis (21 CFR 210 and 211)
5-day incubation of indicated microorganism with NR-2628:
- Fluid thioglycollate broth, 30–35°C, anaerobic
- S. aureus, P. aeruginosa and C. sporogenes
- Soybean-casein digest broth, 20–25°C, aerobic
- B. subtilis
No inhibition
No inhibition
No inhibition
No inhibition

Fungistasis (21 CFR 210 and 211)
5-day incubation of indicated microorganism with NR-2628:
- Soybean-casein digest broth, 20–25°C, aerobic
- C. albicans, A. niger
No inhibition
No inhibition

Mycoplasma Contamination (FDA Points to Consider, 21 CFR 210 and 211)
- Hoechst DNA stain
- Agar and broth culture
None detected
None detected
None detected

Date: 08 NOV 2010

Signature: Dorothy C. Young

Title: Technical Manager, BEI Authentication or designee

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