

**Designation: Hepa 1-6**

CLS order number: Cryovial: 400474  
Vital: 440474

**Origin and General Characteristics**

|                    |  |
|--------------------|--|
| Depositor:         | Darlington   |
| Organism:          | Mus musculus (mouse)   |
| Strain:            | C57/L  |
| Tissue:            | Liver  |
| Morphology:        | Epithelial   |
| Growth Properties: | Adherent   |
| Description:       | This cell line is a derivative of the BW7756 mouse hepatoma. |

**Culture Conditions and Handling**

|                  |  |
|------------------|--|
| Culture Medium:  | DMEM:Ham's F12 supplemented with L-glutamine and 5% fetal bovine serum (MG-40, CLS order number 820400).   |
| Subculturing:    | Remove medium and rinse the adherent cells using PBS without calcium and magnesium (3-5 ml PBS for T25, 5-10ml for T75 cell culture flasks). Add Accutase (1-2ml per T25, 2.5ml per T75 cell culture flask), the cell sheet must be covered completely. Incubate at ambient temperature for 8-10 minutes. Carefully resuspend the cells with medium (10 ml), centrifuge for 5 min at 300xg, resuspend cells in fresh medium and dispense into new flasks which contain fresh medium. |
| Split Ratio:     | A subcultivation ratio of 1:4 is recommended.  |
| Fluid Renewal:   | Twice per week.  |
| Freeze Medium:   | CM-2 (CLS order number: 800225, 25ml, 800250, 50ml)  |
| Sterility:       | Fluorescence (DAPI) test: negative; Mycoplasma specific PCR: negative; Bacteria specific PCR: negative   |
| Biosafety Level: | 1  |

**Special Features of the Cell Line**

|                  |  |
|------------------|--|
| Viruses:         | SMRV: Negative, as confirmed by Real-Time PCR. Ectromelia virus (mousepox): Negative.                          |
| Authentication : | The mouse origin was verified by Real-Time PCR.  |
| Products:        | albumin, alpha fetoprotein (AFP, alpha-fetoprotein); albumin; alpha antitrypsin (alpha-1-antitrypsin); amylase |

**References:**

Darlington GJ et al. Expression of liver phenotypes in cultured mouse hepatoma cells. J. Natl Cancer Inst 64: 809-819, 1980.