

XXXX B-LCL-HROC313 (Bc HROC313) | 302058

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Description	B-LCL-HROC313 是一种人 B 淋巴细胞淋巴瘤细胞系，由 EBV 阳性的 B 淋巴细胞转化而来。该细胞系具有 B 细胞特征，如表达 B 细胞标志物 CD19 和 CD20，并分泌 IgG 和 IgM 抗体。B-LCL-HROC313 细胞系常用于研究 B 细胞淋巴瘤的发病机制和药物筛选。
Organism	人
Tissue	淋巴瘤组织
Disease	淋巴瘤
Synonyms	Bc HROC313

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Age	72 男
Gender	男
Ethnicity	汉族
Morphology	消瘦 营养不良
Cell type	淋巴细胞 B
Growth properties	慢速

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Citation	B-LCL-HROC313 (XXXXXXXXXX Cytion 302058)
Biosafety level	2
NCBI_TaxID	9606

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Subculturing

Thawing and Culturing Cells

1. **Thawing:** Remove the vial from liquid nitrogen storage and place it in a 37°C water bath. Gently swirl the vial to thaw the cells. Once thawed, add the cells to 10 mL of pre-warmed DMEM medium in a T25 flask.
2. **Centrifugation:** Centrifuge the cells at 300 x g for 5 minutes. Remove the supernatant and resuspend the cell pellet in 1 mL of DMEM medium.
3. **Seeding:** Seed the cells into a 6-well plate at a density of 1×10^5 cells per well. Incubate the cells in a humidified 5% CO₂ incubator at 37°C.
4. **Media Change:** After 24 hours, replace the media with fresh DMEM medium. Monitor the cells for attachment and growth.
5. **Passaging:** Once the cells reach confluence (approx. 80-90% coverage), passage them into a new T25 flask using trypsin-EDTA.
6. **Freezing:** For long-term storage, harvest the cells and resuspend them in freezing medium (DMEM + 10% FBS + 10% DMSO). Freeze the cells in a controlled rate freezer.
7. **Storage:** Store the frozen cells in liquid nitrogen until needed.
8. **Thawing:** Thaw the cells in a 37°C water bath and seed them into a new T25 flask as described in step 1.

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