

G-Rex6M Multi-Well Cell Culture Plates Specifications and Recommendations for use



G-Rex6M Well Plate, Cat.# 80660M

Individual Well Specifications:

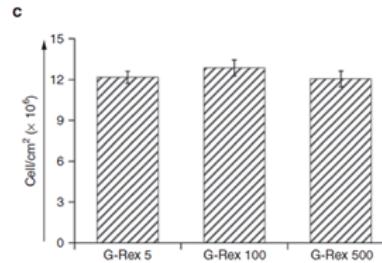
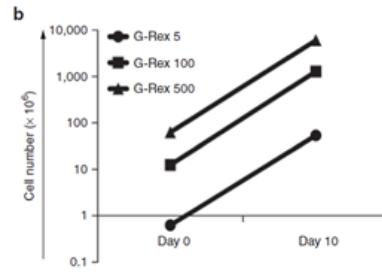
- 10 cm² gas permeable surface area
- 10cm well height
- 100ml liquid capacity
- Inoculate with 5e6 cells
- Potential Expansion to ~3 to 4e8 cells

Technology Overview:

G-Rex multi-well technology is an R&D product ideal for non-adherent cell propagation in nonclinical applications with a design that provides cells with virtually unlimited nutrient access on demand. Cells reside on the medical grade silicone gas permeable membrane that each G-Rex is equipped with. This allows the cells to have unlimited access to oxygen from below. The M series devices have a larger media capacity than the short G-Rex multi-well plates that provides the cells with enough nutrients for expansion without the need to perform any media changes.

****This device has a spill-resistant collar at the top of each well to allow for easy movement between the hood and incubator. However, care must be taken to prevent media from going above this collar when pipetting the contents of each well****

Thank you for evaluating these Wilson Wolf NON-CLINICAL R&D LABWARE PRODUCTS. We are confident you will be pleased with their performance. These R&D products have been manufactured under clean room conditions and are gamma irradiated at a minimum of 25 kGy. Please note that non-clinical R&D products are not for use in diagnostic processes or in the cure, mitigation, treatment, or prevention of disease, and are subject to periodic changes as a result of feedback from users like you. We look forward to working with you, and appreciate any comments or concerns that can help us meet your needs and continually improve our product line. Please feel free to contact us by phone at 651-628-9259 or info@wilsonwolf.com for advice about your particular culture application, or with any questions regarding this product



Optimizing the production of suspension cells using the G-Rex "M" Series
2014, Bajgain et al.

The M Series Advantage:

- Cell expansion is no longer restricted by the rate of oxygen diffusion through the culture media.
- Nutrient availability is uncoupled from oxygen delivery leading up to 100-fold cell expansion in less time with no media exchanges or additions.
- With wells full of media, cells can expand from as few as 0.5e6 cells/cm² to as many as 40e6 cells/cm²
- Ability to hold 10mL of media per cm² of membrane eliminates the need to feed or change media throughout the expansion.
- Linear scalability as the process is scaled up into larger G-Rex M series bioreactors.