

G-Rex[®] 6 and 24 Multi-Well Cell Culture Plates

Specifications and Recommendations for Use



G-Rex 6 Well Plate, Cat. # 80240M

Individual Well Specifications:

- 10 cm² gas permeable surface area
- 4 cm liquid height
- 35mL liquid capacity
- Inoculate with 1.25 x10⁶ cells
- Potential expansion to ~3 to 4x10⁸ cells



G-Rex 24 Well Plate, Cat. # 80192M

Individual Well Specifications:

- 2 cm² gas permeable surface area
- 4 cm liquid height
- 7mL liquid capacity
- Inoculate with 2.5x10⁵ cells
- Potential expansion to ~6 to 8x10⁷ cells

G-Rex multi-well technology is a new R&D product ideal for non-adherent cell propagation in nonclinical applications with a design that provides cells with virtually unlimited oxygen and nutrient access on demand. Cells reside on a gas permeable bottom of each well, with direct access to oxygen. Additionally, the large media capacity of each well provides an abundant source of nutrients for expansion without the need for frequent media exchange. Compared to traditional multi-well plates, advantages of the G-Rex multi-well plates include:

- Cell expansion is no longer restricted by the rate of oxygen diffusion through culture media
- Nutrient availability is uncoupled from oxygen delivery leading up to 100-fold cell expansion in less time with less manipulations
- With wells full of media, cells can expand from as few as 125,000 per cm² to as many as 40x10⁶ per cm²
- Fresh media is only required every 4-5 days, not on a daily or every other day schedule, as with traditional plates

In addition, these devices have 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 Josh Ludwig at 651-628-9259 or josh.ludwig@wilsonwolf.com for advice about your particular culture application, or with any questions regarding this product.

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