

September 21, 2012

Technical Update 1.1: 3D Perfusion Bioreactor

Item: 3D Perfusion Chamber

Description

The new bioreactor chamber has been updated by adding 2 lateral channels as shown in figure 1. (Figure 1, “Lateral Channels”, black arrows). This feature is added to minimize the possibility of air bubble being trapped within the seeded scaffolds during bioreactor chamber’s initial medium filling. Furthermore, it provides additional lateral perfusion as cell confluence increases within the scaffold at later stages.

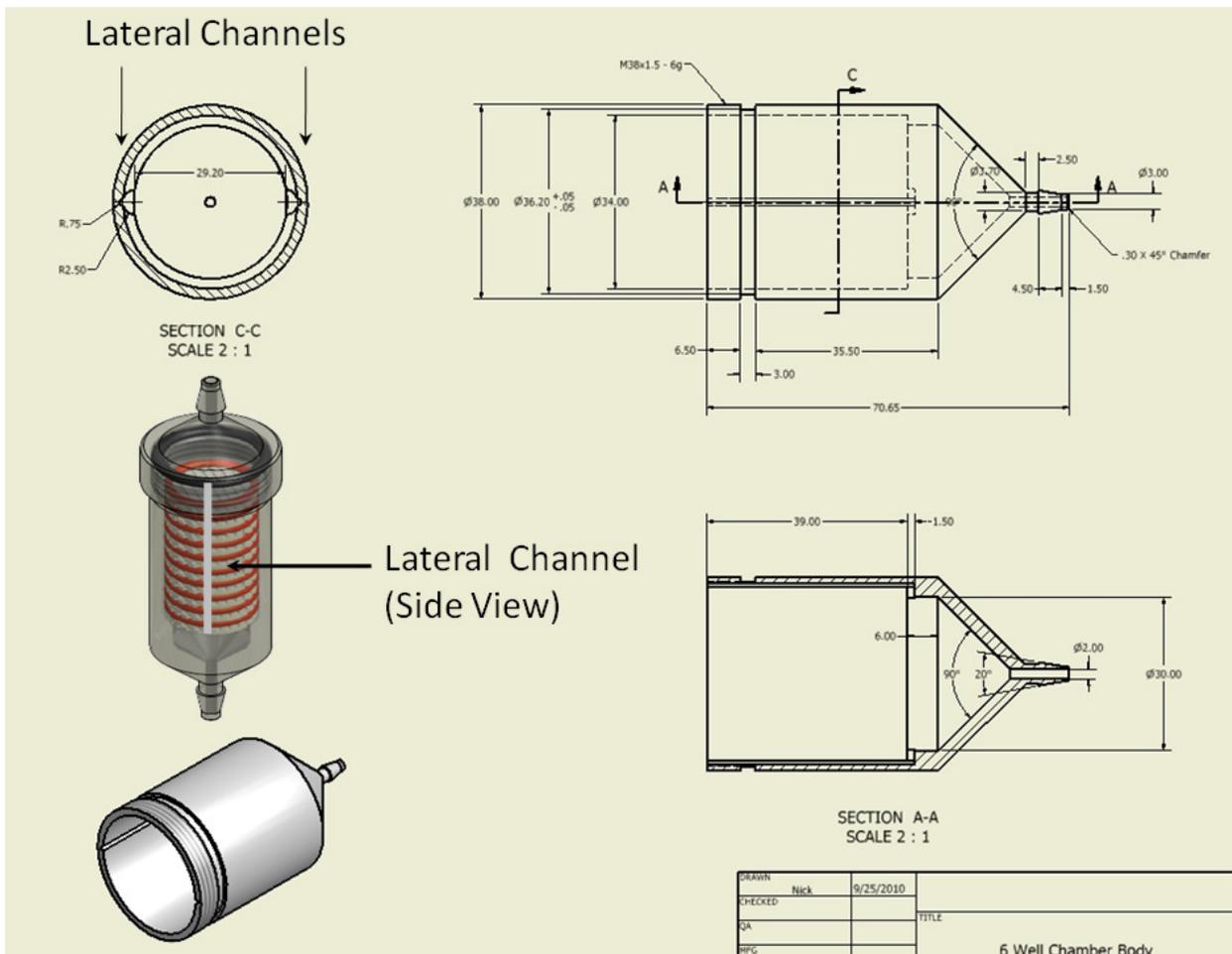


Figure 1. Description of Lateral micro-Channel on Bioreactor Chamber.