

C 2018

Abstract

MC2018 Cartridge with 50% package density, Polysulfone membrane and 6.1 m tubing system.

Membrane

Membrane material:	PS-HF, Polysulfone
Geometry (ID/OD):	200 µm/ 280 µm
MWCO / pore size:	20 kDa

Housing

Housing material:	Polycarbonate
Length:	260 mm
Geometry (ID/OD):	32 mm/ 36 mm
ICS connectors:	2 x Hose barb bioreactor connectors (Polycarbonate)
ECS connectors:	2 x Hose barb bioreactor connectors (Polycarbonate)
Potting material:	Polyurethane

Module

Number of fibres:	5,500 ± 250
Package density:	~ 42%
Active fiber length:	240 ± 2 mm
Inner surface area:	0.8 ± 0.01 m ²
Outer surface area:	1.2 ± 0.02 m ²
Intra capillary volume:	~ 45 ml
Extra capillary volume:	~ 111 ml
Tubing:	6.1 m

Test

Housing integrity (I-Test) - passed/failed
Leak test of the fiber - passed /failed

Cautions

Packaging:	single side sealed bag, double bagged
Sterilization:	γ-irradiation
Storing:	dry, between 5 – 40 °C
Operating Temperature:	5 – 40 °C