**Model: NM25-1**

**Net Mold** for Cell Block

Block Size
- 2x2x1mm
- 4x4x1mm
- 6x6x1mm
- 15x15x1mm (Inner needle removed)

Cell Block made with HDF.

**Process Flow**

1: Prepare Cell Aggregate
   - >150um
   - *Use commercially available products (*Hanging Drop Plate or low attach coated plate or such) to make Cell Aggregate with Diameter :>150um

2: Fill in to Mold Cavity
   - Fill in by Pipet.

3: Maturation
   - Shaker in Incubator
   - 5-10 days

4: Net Removal
   - Slide out Nets.
   - Nets are Re-usable

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Net Mold “NM25-1”

Holding Tube
Stopper
Lock Plate*
Teeth Downward
Top/Bottom Net
\[ t=0.1\text{mm} \]
\[ \text{Net Gap: } 0.1\text{mm} \]

Side Net
\[ X10 \text{ Pieces} \]
\[ t=0.1\text{mm} \]
\[ \text{Total } 1.0\text{mm} \]

Top/Bottom Net
(same as top)
Lock Plate
Teeth Upward
Base
Filling Base

Model Name | NM25-1
---|---
Dimension | 32x32x12mm
Material
Base: Polycarbonate
Net: Stainless Steel
Bolt: Stainless Steel
Tube: Silicone
Stopper: Silicone/Stainless Steel
Spare Parts
Lock Plate X 1
Top Net X 1
Side Net X1
Stopper x 1
Holding Tube x1

1: Remove Top Net
Remove Holding Tube & Stopper Pins.
Pick up Top Net & Lock Plate.
Wet Filling Base with PBS or Medium.
Place Net Mold onto Filling Base.

2: Fill into Cavity
Wet bottom net by applying PBS by pipette.
Slowly fill in spheroids into the Cavity.
Make sure that 120% volume is fed, so that Spheroids are touching each other and not moving around.

3: Place Top Net
Place Top Net & Lock Plate.
Make sure Teeth of lock Plate is pointing down.
Put Stopper Pins & Holding Tubes.

4: Maturation
Place filled Net Mold in 6Well Plate
Or other container.
Fill with Medium.
Set at 30-40rpm (Swing Type)
Change medium as necessary.

5: Remove Nets
Remove Top Net & Lock plate.
Slide out Side Nets.
Tissue may enwrap Bottom Net.
Leave on the Bottom Net to maintain shape.

Watch tutorial video at www.tissuebynet.com

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