Technical Data Sheet

VWR® 6well 3D Cell Culture Plate

Description: 6 Well 3D Cell Culture Plate, 3 Scaffolds, Treated, Sterilized

Purpose: A microenvironment for cells that are similar to the in vivo conditions used in stem cells, tissue engineering, drug research and development, and cell biology

Materials

Plate: GPPS (General polystyrene) Color: Clear

Lid: GPPS (General polystyrene) Color: Clear

3D scaffold: GPPS (General polystyrene) Color: Clear

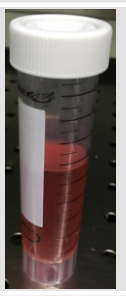
Features

- The Scaffold is made from virgin polystyrene with a wire diameter of 500µm and a wire spacing of 260µm. It produces a larger surface area than regular cell culture products and is structured with 3-dimensional channel facilitating the transmission of nutrients, consistency of metabolic activity and the accuracy of results in 3D cell culture
- Cytokine and growth factor resistant
- Easy cell secretion collection, saving time and eliminating extra steps
- Non-pyrogenic and DNase/RNase-free
- Non-autoclavable
- Sterilized by gamma irradiation
- Strict integrity tested
- Temperature range: -20°C to +50°C
- Shelf life: 3 years after month of production

② STERILE | R

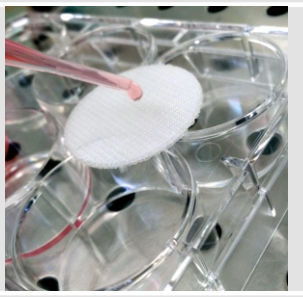
Easy to Use

1



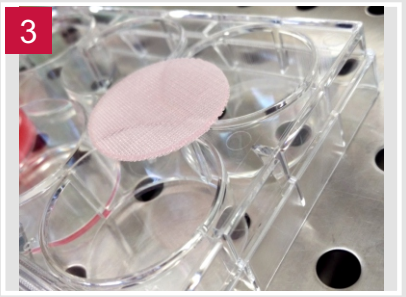
Prepare the required volume of cell suspension.

2



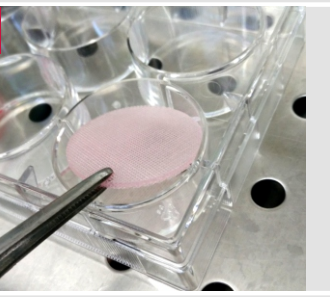
Add the cell suspension to the 3D Scaffold slowly.

3



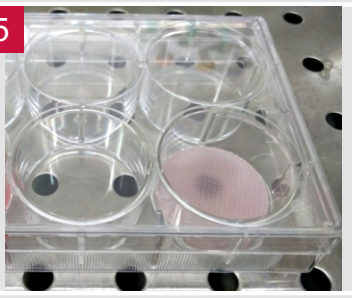
Ensure that the 3D Scaffold is fully covered with cell suspension and avoid overflow.

4



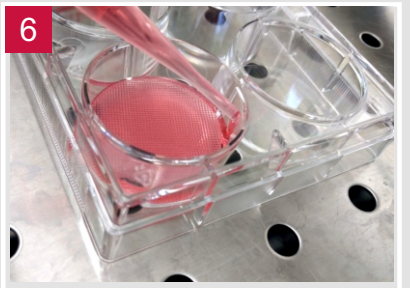
Use tweezers to pick up the 3D scaffold and place it into the tissue culture dish.

5



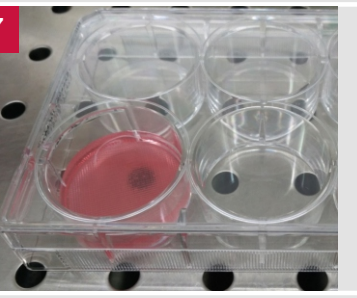
Put the plate into a 37˚C and 5% CO2 incubator for culturing for three hours.

6



After three hours, slowly add the cell culture medium through the dish's internal wall.

7



Place the 3D Scaffold into the incubator once the cell culture medium covers the Scaffold completely.

VWR® 6well 3D Cell Culture Plate

VWR NA Cat. No.	VWR EU Cat. No.	Type	Fiber Diameter(µm)	Pore Width((µm)	Scaffold Diameter (mm)	Scaffold Thickness (mm)	Growth Area per Scaffold (cm^2)	Scaffold Growth Area (cm^2) Total	Plate Surface Type	Scaffold Surface Type	Sterile	Qty. per pack/case
76012-958	734-2970	3 scaffolds/ 6well plate	∅500	260	∅33.5	1.6	47.6	143	Non-treated	Treated	SAL 10^{-6}	1/8

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Technical Data Sheet

VWR® 12well 3D Cell Culture Plate

Description: 12 Well 3D Cell Culture Plate, 6 Scaffolds, Treated, Sterilized

Purpose: A microenvironment for cells that are similar to the in vivo conditions used in stem cells, tissue engineering, drug research and development, and cell biology

Materials

Plate: GPPS (General polystyrene) Color: Clear

Lid: GPPS (General polystyrene) Color: Clear

3D scaffold: GPPS (General polystyrene) Color: Clear

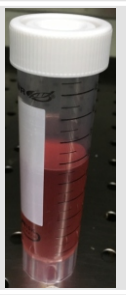
Features

- The Scaffold is made from virgin polystyrene with a wire diameter of 500µm and a wire spacing of 260µm. It produces a larger surface area than regular cell culture products and is structured with 3-dimensional channel facilitating the transmission of nutrients, consistency of metabolic activity and the accuracy of results in 3D cell culture
- Cytokine and growth factor resistant
- Easy cell secretion collection, saving time and eliminating extra steps
- Non-pyrogenic and DNase/RNase-free
- Non-autoclavable
- Sterilized by gamma irradiation
- Strict integrity tested
- Temperature range: -20°C to +50°C
- Shelf life: 3 years after month of production

STERILE | R

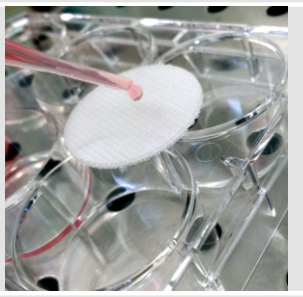
Easy to Use

1



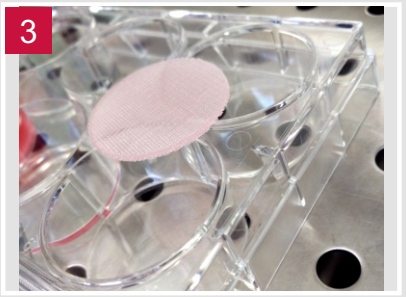
Prepare the required volume of cell suspension.

2



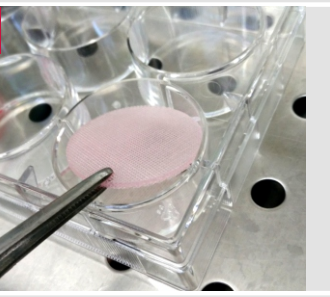
Add the cell suspension to the 3D Scaffold slowly.

3



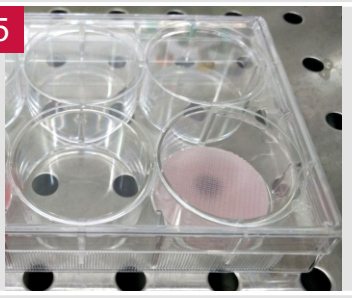
Ensure that the 3D Scaffold is fully covered with cell suspension and avoid overflow.

4



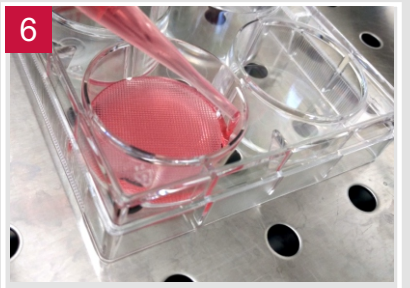
Use tweezers to pick up the 3D scaffold and place it into the tissue culture dish.

5



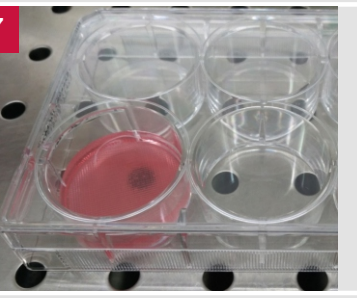
Put the plate into a 37˚C and 5% CO2 incubator for culturing for three hours.

6



After three hours, slowly add the cell culture medium through the dish's internal wall.

7



Place the 3D Scaffold into the incubator once the cell culture medium covers the Scaffold completely.

VWR® 12well 3D Cell Culture Plate

VWR NA Cat. No.	VWR EU Cat. No.	Type	Fiber Diameter(µm)	Pore Width((µm)	Scaffold Diameter (mm)	Scaffold Thickness (mm)	Growth Area per Scaffold (cm^2)	Scaffold Growth Area (cm^2) Total	Plate Surface Type	Scaffold Surface Type	Sterile	Qty. per pack/case
76012-960	734-2971	6 scaffolds/ 12well plate	∅500	260	∅21.0	1.6	18.8	113	Non-treated	Treated	SAL 10^{-6}	1/8

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Technical Data Sheet

VWR® 24well 3D Cell Culture Plate

Description: 24 Well 3D Cell Culture Plate, 12 Scaffolds, Treated, Sterilized

Purpose: A microenvironment for cells that are similar to the in vivo conditions used in stem cells, tissue engineering, drug research and development, and cell biology

Materials

Plate: GPPS (General polystyrene) Color: Clear

Lid: GPPS (General polystyrene) Color: Clear

3D scaffold: GPPS (General polystyrene) Color: Clear

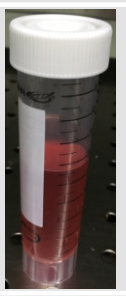
Features

- The Scaffold is made from virgin polystyrene with a wire diameter of 500μm and a wire spacing of 260μm. It produces a larger surface area than regular cell culture products and is structured with 3-dimensional channel facilitating the transmission of nutrients, consistency of metabolic activity and the accuracy of results in 3D cell culture
- Cytokine and growth factor resistant
- Easy cell secretion collection, saving time and eliminating extra steps
- Non-pyrogenic and DNase/RNase-free
- Non-autoclavable
- Sterilized by gamma irradiation
- Strict integrity tested
- Temperature range: -20°C to +50°C
- Shelf life: 3 years after month of production

② STERILE | R

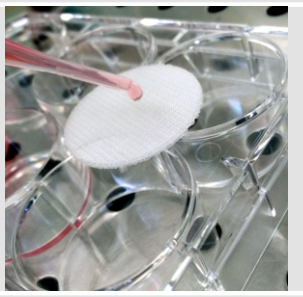
Easy to Use

1



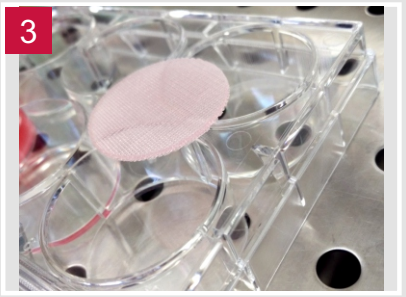
Prepare the required volume of cell suspension.

2



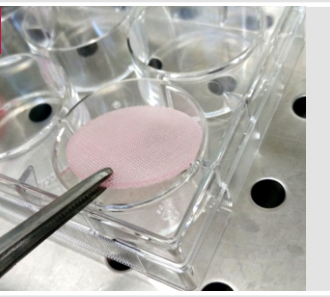
Add the cell suspension to the 3D Scaffold slowly.

3



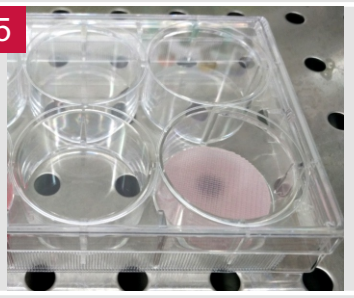
Ensure that the 3D Scaffold is fully covered with cell suspension and avoid overflow.

4



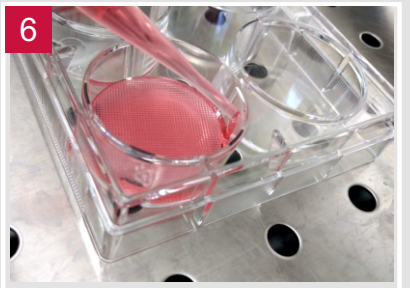
Use tweezers to pick up the 3D scaffold and place it into the tissue culture dish.

5



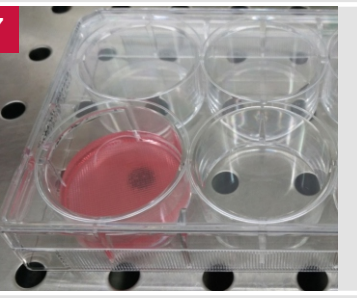
Put the plate into a 37˚C and 5% CO2 incubator for culturing for three hours.

6



After three hours, slowly add the cell culture medium through the dish's internal wall.

7



Place the 3D Scaffold into the incubator once the cell culture medium covers the Scaffold completely.

VWR® 24well 3D Cell Culture Plate

VWR NA Cat. No.	VWR EU Cat. No.	Type	Fiber Diameter(μm)	Pore Width((μm)	Scaffold Diameter (mm)	Scaffold Thickness (mm)	Growth Area per Scaffold (cm^2)	Scaffold Growth Area (cm^2) Total	Plate Surface Type	Scaffold Surface Type	Sterile	Qty. per pack/case
76012-962	734-2972	12 scaffolds/ 24well plate	∅500	260	∅15.0	1.6	9.5	115	Non-treated	Treated	SAL 10^{-6}	1/8

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