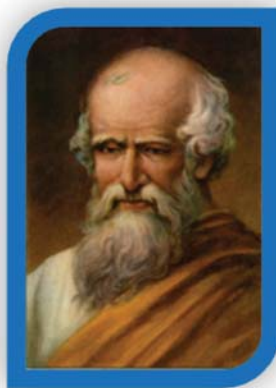


## Chapter 3 : Filtration and Consumable Products



**Archimedes**  
**287 BC - 212 BC**

144

Archimedes was a Greek scientist, engineer, inventor, mathematician and astronomer. He was one of the greatest minds of his times and helped discover many basic physical phenomenon's.

Paper was one of the four great inventions. Paper is one of the most commonly used materials and in the lab, paper has proved to be a trustworthy material for filtration applications. Some of the important parameters looked at when dealing with filter papers are wet strength, porosity, particle retention, flow rate, compatibility, efficiency and capacity. There are two mechanisms of filtration with paper, volume and surface. In volume filtration the particles are caught in the fibers of the filter paper while in surface filtration the particles are caught on the paper surface.

SCT filtration products are made from top quality materials and that they are reliable in their applications. We have a huge range of filtration related products for various applications. All our products are equivalent to many International Brands. We also carry a huge range of lab consumables required by today's Analytical Biological and Industrial lab needs

Plant and animal tissue cultures, Genetic engineering and Bio-technology plays a vital role in the various scientific research and applications in the development of the modern world and the society. SCT Team has decided to manufacture and supply the various good quality consumables related to the above fields of research. We have selected a specific list of consumables used daily in many labs. All our Filtration and the consumable products are manufactured as per the international standards and norms, using high quality raw materials in a good aseptic conditions. Our top priority is the Quality of the products.

We at ScichemTech, dedicate this chapter to the Great Archimedes and the related scientists who has contributed to the scientific world in their remembrance.

**ScichemTech Team...**

## ScichemTech® FILTER PAPERS

### SCT QUAL-GEN QUALITATIVE FILTER PAPERS

SCT filter papers - as all of us know that filter papers are one of the most important consumables used daily in any scientific (or) industrial labs. Based on this wide need scichemtech has included the basic type of qualitative, quantitative and membrane filters in our product range. In the following section you'll find almost all the commonly used filter papers and related products.

SCT qual-gen qualitative filter papers are used for general filtration applications. These papers are made of cotton cellulose and has high ash content of (0.1%). They are generally classified based on the filtration speed as, fast, medium, medium fast, medium slow and slow. Depending on the porosity and filtration speed, the application varies.

#### SALIENT FEATURES:

- SCT - Qual-Gen Filter Papers are made of good quality cellulose raw materials.
- Available in round 7, 9, 11, 12.5, 15 And 18 cms (or) square shapes (60x60 cms).
- Covers - wide range of applications.
- Meets with international standards.
- Packed properly moisture free and 100 / pk.
- Manufactured under ISO 9001:2008 Quality standards

#### TECHNICAL SPECIFICATIONS:

TYPE OF PAPER	SLOW	MEDIUM SLOW	MEDIUM FAST	MEDIUM	FAST
POROSITY:					
PARTICLE RETENTION	2-4µm	6µm	11µm	8µm	20-25µm
THICKNESS	200µm	390µm	180µm	190µm	205µm
WEIGHT (g/m <sup>2</sup> )	98	187	88	103	96
SPEED OF FILTRATION	1420 (Sec)	325 (Sec)	150 (Sec)	240 (Sec)	37 (Sec)
ASH CONTENT	0.1%	0.1%	0.1%	0.1%	0.1%
AVAILABLE SIZES (mm)	70, 90, 100, 125, 150, 180 mm (600X600mm)	70, 90, 110, 125, 150, 180 mm (600X600 mm)	70, 90, 110, 125, 150, 180 mm (600X600 mm)	70, 90, 110, 125, 150, 180 mm (600X600 mm)	70, 90, 110, 125, 150, 180 mm (600X600 mm)



#### ORDERING INFORMATION:

SCT PRODUCT NO.	DESCRIPTION	PAPER SIZE (mm)	UNIT PACK SIZE
SCT-103.001.01	SCT QUAL GEN QUALITATIVE FILTER PAPER, FAST (20~25µm)	70	100 / PACK
SCT-103.001.02	SCT QUAL GEN QUALITATIVE FILTER PAPER, FAST (20~25µm)	90	100 / PACK
SCT-103.001.03	SCT QUAL GEN QUALITATIVE FILTER PAPER, FAST (20~25µm)	110	100 / PACK
SCT-103.001.04	SCT QUAL GEN QUALITATIVE FILTER PAPER, FAST(20~25µm)	125	100 / PACK
SCT-103.001.05	SCT QUAL GEN QUALITATIVE FILTER PAPER, FAST (20~25µm)	150	100 / PACK
SCT-103.001.06	SCT QUAL GEN QUALITATIVE FILTER PAPER, FAST (20~25µm)	180	100 / PACK
SCT-103.001.07	SCT QUAL GEN QUALITATIVE FILTER PAPER, FAST (20~25µm)	600X600	100 / PACK
SCT-103.001.08	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM (8µm)	70	100 / PACK
SCT-103.001.09	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM (8µm)	90	100 / PACK
SCT-103.001.10	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM (8µm)	110	100 / PACK
SCT-103.001.11	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM (8µm)	125	100 / PACK
SCT-103.001.12	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM (8µm),	150	100 / PACK
SCT-103.001.13	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM (8µm)	180	100 / PACK
SCT-103.001.14	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM (8µm)	600X600	100 / PACK
SCT-103.001.15	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM FAST(11µm)	70	100 / PACK
SCT-103.001.16	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM FAST(11µm)	90	100 / PACK
SCT-103.001.17	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM FAST(11µm)	110	100 / PACK
SCT-103.001.18	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM FAST(11µm)	125	100 / PACK
SCT-103.001.19	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM FAST(11µm)	150	100 / PACK
SCT-103.001.20	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM FAST(11µm)	180	100 / PACK
SCT-103.001.21	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM FAST(11µm)	600X600	100 / PACK
SCT-103.001.22	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM SLOW (6µm)	70	100 / PACK
SCT-103.001.23	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM SLOW (6µm)	90	100 / PACK
SCT-103.001.24	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM SLOW (6µm)	110	100 / PACK
SCT-103.001.25	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM SLOW (6µm)	125	100 / PACK
SCT-103.001.26	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM SLOW (6µm)	150	100 / PACK
SCT-103.001.27	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM SLOW (6µm)	180	100 / PACK
SCT-103.001.28	SCT QUAL GEN QUALITATIVE FILTER PAPER, MEDIUM SLOW (6µm)	600X600	100 / PACK
SCT-103.001.29	SCT QUAL GEN QUALITATIVE FILTER PAPER, SLOW (2~4µm)	70	100 / PACK
SCT-103.001.30	SCT QUAL GEN QUALITATIVE FILTER PAPER, SLOW (2~4µm)	90	100 / PACK
SCT-103.001.31	SCT QUAL GEN QUALITATIVE FILTER PAPER, SLOW (2~4µm)	110	100 / PACK
SCT-103.001.32	SCT QUAL GEN QUALITATIVE FILTER PAPER, SLOW (2~4µm)	125	100 / PACK
SCT-103.001.33	SCT QUAL GEN QUALITATIVE FILTER PAPER, SLOW (2~4µm)	150	100 / PACK
SCT-103.001.34	SCT QUAL GEN QUALITATIVE FILTER PAPER, SLOW (2~4µm)	180	100 / PACK
SCT-103.001.35	SCT QUAL GEN QUALITATIVE FILTER PAPER, SLOW (2~4µm),	600X600	100 / PACK

## SCT QUANT-CHEM - QUANTITATIVE FILTER PAPERS (ASH LESS)

SCT quantitative filter papers are used for all gravimetric, sample preparations and chemical analysis. These papers are made from good quality cotton cellulose acid washed papers. They have fast, medium, medium fast and slow speed types and with different porosities, it has a wide range of applications.

### SALIENT FEATURES:

- SCT Quant-CHEM Quantitative filter papers are made of good quality cotton cellulose pulp (95%).
- The Ash content of these papers are less than (0.01%).
- Available in 70, 90, 110, 125, 150, 180 mm sizes.
- Suitable for quantitative / gravimetric analysis. These papers are acid washed.
- Our papers are good for typical sample preparations in the instrumental analysis.
- SCT Quant-CHEM papers are chemical resistance papers.
- Manufactured under ISO 9001:2008 Quality standards



### TECHNICAL SPECIFICATIONS:

TYPE OF PAPER	SLOW	MEDIUM FAST	MEDIUM	FAST
PARAMETERS				
POROSITY: PARTICLE RETENTION	2-4 µm	16 µm	8 µm	20-25 µm
THICKNESS	200 µm	220 µm	210 µm	220 µm
WEIGHT (g/m <sup>2</sup> )	100	95	95	85
SPEED OF FILTRATION	1870 (Sec)	155 (Sec)	340 (Sec)	54 (Sec)
ASH CONTENT	0.01%	0.01%	0.01%	0.01%
AVAILABLE SIZES (mm)	70, 90, 110, 125, 150 AND 180 mm	70, 90, 110, 125, 150 AND 180 mm	70, 90, 110, 125, 150 AND 180 mm	70, 90, 110, 125, 150 AND 180 mm

### ORDERING INFORMATIONS:

SCT PRODUCT NO.	DESCRIPTION	PAPER SIZE (mm)	UNIT PACK SIZE
SCT-103.002.01	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, FAST (20~25µm)	70	100 / PACK
SCT-103.002.02	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, FAST (20~25µm)	90	100 / PACK
SCT-103.002.03	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, FAST (20~25µm)	110	100 / PACK
SCT-103.002.04	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, FAST (20~25µm)	125	100 / PACK
SCT-103.002.05	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, FAST (20~25µm)	150	100 / PACK
SCT-103.002.06	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, FAST (20~25µm)	180	100 / PACK
SCT-103.002.07	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, MEDIUM (8µm)	70	100 / PACK
SCT-103.002.08	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, MEDIUM (8µm)	90	100 / PACK
SCT-103.002.09	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, MEDIUM (8µm)	110	100 / PACK
SCT-103.002.10	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, MEDIUM (8µm)	125	100 / PACK
SCT-103.002.11	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, MEDIUM (8µm)	150	100 / PACK
SCT-103.002.12	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, MEDIUM (8µm)	180	100 / PACK
SCT-103.002.13	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, MEDIUM FAST (16µm)	70	100 / PACK
SCT-103.002.14	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, MEDIUM FAST (16µm)	90	100 / PACK
SCT-103.002.15	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, MEDIUM FAST (16µm)	110	100 / PACK
SCT-103.002.16	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, MEDIUM FAST (16µm)	125	100 / PACK
SCT-103.002.17	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, MEDIUM FAST (16µm)	150	100 / PACK
SCT-103.002.18	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, MEDIUM FAST (16µm)	180	100 / PACK
SCT-103.002.19	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, SLOW (2~4µm)	70	100 / PACK
SCT-103.002.20	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, SLOW (2~4µm)	90	100 / PACK
SCT-103.002.21	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, SLOW (2~4µm)	110	100 / PACK
SCT-103.002.22	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, SLOW (2~4µm)	125	100 / PACK
SCT-103.002.23	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, SLOW (2~4µm)	150	100 / PACK
SCT-103.002.24	SCT QUANT-CHEM QUANTITATIVE ASHLESS FILTER PAPER, SLOW (2~4µm)	180	100 / PACK

## ScichemTech® Membrane Filters

### SCT MICRO ALPHA (α) MEMBRANE FILTERS

Scichemtech offers variety of micro-filtration membrane filters, which is made of high quality micro membranes which has the different pore sizes from 0.22 till 5.00 µm (micrometers). Also, we produce some selected standard diameters 25 and 47 mm (milli meters). Sct - makes all their membrane filters for many biological and chemical analysis and sample preparations. Our mf-membrane filters are called "micro-alpha" series which covers a wide variety of applications in chemical labs, pharmaceutical labs, chemical industries, biological labs, pharma industries, water labs, biotech labs, fermentation separation, protein filtrations and in many critical sample preparation for the instrumental analysis. Most of membrane filters are made of cellulose acetate, cellulose nitrate, nylon, ptfе, mixed cellulose esters, pes, pvdf and polypropylene, for wide variety of applications.

### TECHNICAL SPECIFICATIONS TABLE FOR ALL TYPES OF SCT-MICRO ALPHA (α) MEMBRANE FILTERS:

MEMBRANE TYPE	SCT-CA (CELLULOSE ACETATE)	SCT-CN (CELLULOSE NITRATE)	SCT-NY (NYLON)	SCT-PTFE (POLY TETRA FLUORO ETHYLENE)	SCT-MCE (MIXED CELLULOSE)	SCT-PES (POLY ETHER SULFONE)	SCT-PVDF (POLY VINYL DENEDI FLUORIDE)	SCT-PP (POLY PROPYLENE)
PARAMETERS								
Porosity (µm)	0.22 0.45 0.80	0.22 0.45 0.85	0.22 0.45 0.80, 1.2, 3.00 and 5.0	0.22, 0.45, 1.0	0.22, 0.45, 0.8, 1.2 and 3.0	0.22, 0.45 and 1.00	0.22, 0.45	0.22 0.45
PACK SIZE (PCS)	200/PK	200/PK	200/PK	200/PK	200/PK	200/PK	200/PK	200/PK

DIAMETER (mm)	25 mm 47 mm	47 mm	25 mm 47 mm	25 mm 47 mm	25 mm 47 mm GRIDED: ONLY 47 mm	25 mm 47 mm	25 mm 47 mm	25 mm 47 mm
THICKNESS mm	0.22 - 119 0.45 - 115 0.80 - 140	0.22 - 105 0.45 - 120 0.80 - 140	0.22 - 150 0.45 - 170 0.80 - 180 1.20 3.00 5.00 - 265	0.22 - 240 0.45 - 220 1.00 - 275	0.22 - 135 0.45 - 145 0.80 - 140 1.20 - 140 3.0 - 150	0.22 - 160 0.45 - 180 1.0	0.22 0.45	0.22 0.45
Applications	For Alcohols, Hot gases, Aqueous media	For Trace Analysis, Absorption Analysis, Pharmaceuti- cal analysis	For Organic Solvents, Aqueous Solutions and Biological Solutions	For Acids, Alkalis, corro- sive solvents	For Microbiolog- ical applications, Food related ap- plications, HPLC samples.	For Biological samples, Aque- ous samples.	For Molecular Biological appli- cations, Protein applications.	For Chromatography and Biotechnologies Applications. Formerly Applications

## SCT MICRO ALPHA (α) CA (CELLULOSE ACETATE) & CN (CELLULOSE NITRATE MEMBRANE FILTERS

### SALIENT FEATURES:

- SCT - CA & CN - membrane filters are made of high quality cellulose acetate.
- It has lowest binding properties and they are hydrophilic.
- Ideal for protein and enzymatic filtration and studies.
- Can withstand high temperature (135°C) and pressures (129 psi)
- Evenly distributed pores and uniform pore sizes.
- Manufactured in highly sterile conditions.
- Manufactured under ISO 9001:2008 Quality standards

### ORDERING INFORMATION:

SCT PRODUCT NO.	DESCRIPTION	SIZE (mm)	UNIT PACK SIZE
SCT-103.003.01	SCT CA MEMBRANE FILTER, PORE: 0.22(μm)	DIAMETER: 25	200 / PACK
SCT-103.003.02	SCT CA MEMBRANE FILTER, PORE: 0.22(μm)	DIAMETER: 47	200 / PACK
SCT-103.003.03	SCT CA MEMBRANE FILTER, PORE: 0.45(μm)	DIAMETER: 25	200 / PACK
SCT-103.003.04	SCT CA MEMBRANE FILTER, PORE: 0.45(μm)	DIAMETER: 47	200 / PACK
SCT-103.003.05	SCT CA MEMBRANE FILTER, PORE: 0.8(μm)	DIAMETER: 25	200 / PACK
SCT-103.003.06	SCT CA MEMBRANE FILTER, PORE: 0.8(μm)	DIAMETER: 47	200 / PACK
SCT-103.003.07	SCT CN MEMBRANE FILTER, PORE: 0.22(μm)	DIAMETER: 47	200 / PACK
SCT-103.003.08	SCT CN MEMBRANE FILTER, PORE: 0.45(μm)	DIAMETER: 47	200 / PACK
SCT-103.003.09	SCT CN MEMBRANE FILTER, PORE: 0.8 (μm)	DIAMETER: 47	200 / PACK



147

## SCT MICRO ALPHA (α) NYLON MEMBRANE FILTERS

### SALIENT FEATURES:

- SCT - NY: membrane filters are made of high quality nylon raw materials.
- The hydrophilic nature provides a great wet strength and good for filtering aqueous solutions.
- High protein, RNA, DNA binding capacity makes good filtration and applications in molecular biology.
- Can withstand high temperature (135°C) and pressures (129 psi)
- Evenly distributed pores and uniform pore sizes.
- SCT-NY are durable, flexible and tear resistant.
- SCT-NY has good chemical compatibility.
- Manufactured in highly sterile conditions.
- Manufactured under ISO 9001:2008 Quality standards



### ORDERING INFORMATION:

SCT PRODUCT NO.	DESCRIPTION	SIZE (mm)	UNIT PACK SIZE
SCT-103.006.01	SCT NYLON MEMBRANE FILTER, PORE:0.22(μm)	DIAMETER: 25	200 / PACK
SCT-103.006.02	SCT NYLON MEMBRANE FILTER, PORE:0.22(μm)	DIAMETER: 47	200 / PACK
SCT-103.006.03	SCT NYLON MEMBRANE FILTER, PORE:0.45(μm)	DIAMETER: 25	200 / PACK
SCT-103.006.04	SCT NYLON MEMBRANE FILTER, PORE:0.45(μm)	DIAMETER: 47	200 / PACK
SCT-103.006.05	SCT NYLON MEMBRANE FILTER, PORE:0.8(μm)	DIAMETER: 25	200 / PACK
SCT-103.006.06	SCT NYLON MEMBRANE FILTER, PORE:0.8(μm)	DIAMETER: 47	200 / PACK
SCT-103.006.07	SCT NYLON MEMBRANE FILTER, PORE:1.2(μm)	DIAMETER: 25	200 / PACK
SCT-103.006.08	SCT NYLON MEMBRANE FILTER, PORE:1.2(μm)	DIAMETER: 47	200 / PACK
SCT-103.006.09	SCT NYLON MEMBRANE FILTER, PORE:3.0(μm)	DIAMETER: 25	200 / PACK
SCT-103.006.10	SCT NYLON MEMBRANE FILTER, PORE:3.0(μm)	DIAMETER: 47	200 / PACK
SCT-103.006.11	SCT NYLON MEMBRANE FILTER, PORE:5.0(μm)	DIAMETER: 25	200 / PACK
SCT-103.006.12	SCT NYLON MEMBRANE FILTER, PORE:5.0(μm)	DIAMETER: 47	200 / PACK

## SCT MICRO ALPHA ( $\alpha$ ) PTFE MEMBRANE FILTERS

### SALIENT FEATURES:

- SCT - PTFE : Membrane filters are made of high quality PTFE raw materials.
- The good PTFE provides a variety of applications in micro-electronics, biochemistry and stability in filtration.
- Good for many chemical resistance applications (pH 1 to 14).
- Evenly distributed pores and uniform pore sizes.
- SCT-PTFE membranes are Hydrophobic, so, it must be pre-wetted prior to use.
- Manufactured in highly sterile conditions.
- Manufactured under ISO 9001:2008 Quality standards



### ORDERING INFORMATIONS:

148

SCT PRODUCT NO.	DESCRIPTION	SIZE (mm)	UNIT PACK SIZE
SCT-103.007.01	SCT PTFE MEMBRANE FILTER, PORE: 0.22 ( $\mu\text{m}$ ), HYDROPHOBIC	DIAMETER: 25	200 / PACK
SCT-103.007.02	SCT PTFE MEMBRANE FILTER, PORE: 0.22 ( $\mu\text{m}$ ), HYDROPHOBIC	DIAMETER: 47	200 / PACK
SCT-103.007.03	SCT PTFE MEMBRANE FILTER, PORE: 0.45 ( $\mu\text{m}$ ), HYDROPHOBIC	DIAMETER: 25	200 / PACK
SCT-103.007.04	SCT PTFE MEMBRANE FILTER, PORE: 0.45 ( $\mu\text{m}$ ), HYDROPHOBIC	DIAMETER: 47	200 / PACK
SCT-103.007.05	SCT PTFE MEMBRANE FILTER, PORE: 0.1 ( $\mu\text{m}$ ), HYDROPHOBIC	DIAMETER: 25	200 / PACK
SCT-103.007.06	SCT PTFE MEMBRANE FILTER, PORE: 0.1 ( $\mu\text{m}$ ), HYDROPHOBIC	DIAMETER: 47	200 / PACK
SCT-103.007.07	SCT PTFE MEMBRANE FILTER, PORE: 0.22 ( $\mu\text{m}$ ), HYDROPHILIC	DIAMETER: 25	200 / PACK
SCT-103.007.08	SCT PTFE MEMBRANE FILTER, PORE: 0.22 ( $\mu\text{m}$ ), HYDROPHILIC	DIAMETER: 47	200 / PACK
SCT-103.007.09	SCT PTFE MEMBRANE FILTER, PORE: 0.45 ( $\mu\text{m}$ ), HYDROPHILIC	DIAMETER: 25	200 / PACK
SCT-103.007.10	SCT PTFE MEMBRANE FILTER, PORE: 0.45 ( $\mu\text{m}$ ), HYDROPHILIC	DIAMETER: 47	200 / PACK

## SCT MICRO ALPHA ( $\alpha$ ) MIXED CELLULOSE ESTERS (MCE) MEMBRANE FILTER

### SALIENT FEATURES:

- SCT-MCE membrane filters are made of high quality of mixed cellulose esters.
- SCT - MCE are highly pure and TRITON free and Hydrophilic.
- It has high porosity.
- SCT - MCE are biologically inert and good thermal stability.
- SCT -MCE are provided with colour contrast by the surface facilitates particle retention and minimizes eye fatigue.
- Good absorption capacity with high internal surface area.
- Evenly distributed pores and uniform pore sizes.
- Manufactured in highly sterile conditions.
- Manufactured under ISO 9001:2008 Quality standards



### ORDERING INFORMATIONS:

SCT PRODUCT NO.	DESCRIPTION	SIZE (mm)	UNIT PACK SIZE
SCT-103.008.01	SCT MCE MEMBRANE FILTER, PORE:0.22 ( $\mu\text{m}$ )	DIAMETER: 25	200 / PACK
SCT-103.008.02	SCT MCE MEMBRANE FILTER, PORE:0.22 ( $\mu\text{m}$ )	DIAMETER: 47	200 / PACK
SCT-103.008.03	SCT MCE MEMBRANE FILTER, PORE:0.45 ( $\mu\text{m}$ )	DIAMETER: 25	200 / PACK
SCT-103.008.04	SCT MCE MEMBRANE FILTER, PORE:0.45 ( $\mu\text{m}$ )	DIAMETER: 47	200 / PACK
SCT-103.008.05	SCT MCE MEMBRANE FILTER, PORE:0.8 ( $\mu\text{m}$ )	DIAMETER: 25	200 / PACK
SCT-103.008.06	SCT MCE MEMBRANE FILTER, PORE:0.8 ( $\mu\text{m}$ )	DIAMETER: 47	200 / PACK
SCT-103.008.07	SCT MCE MEMBRANE FILTER, PORE:1.2 ( $\mu\text{m}$ )	DIAMETER: 25	200 / PACK
SCT-103.008.08	SCT MCE MEMBRANE FILTER, PORE:1.2 ( $\mu\text{m}$ )	DIAMETER: 47	200 / PACK
SCT-103.008.09	SCT MCE MEMBRANE FILTER, PORE:3.0 ( $\mu\text{m}$ )	DIAMETER: 25	200 / PACK
SCT-103.008.10	SCT MCE MEMBRANE FILTER, PORE:3.0 ( $\mu\text{m}$ )	DIAMETER: 47	200 / PACK
SCT-103.008.11	SCT MCE GRIDED MEMBRANE FILTER, WHITE, NON STERILE, 0.22 ( $\mu\text{m}$ )	DIAMETER 47	200 / PACK
SCT-103.008.12	SCT MCE GRIDED MEMBRANE FILTER, WHITE, NON STERILE, 0.45 ( $\mu\text{m}$ )	DIAMETER 47	200 / PACK
SCT-103.008.13	SCT MCE GRIDED MEMBRANE FILTER, WHITE, NON STERILE, 0.80 ( $\mu\text{m}$ )	DIAMETER 47	200 / PACK
SCT-103.008.14	SCT MCE GRIDED MEMBRANE FILTER, BLACK, NON STERILE, 0.22 ( $\mu\text{m}$ )	DIAMETER 47	200 / PACK
SCT-103.008.15	SCT MCE GRIDED MEMBRANE FILTER, BLACK, NON STERILE, 0.45 ( $\mu\text{m}$ )	DIAMETER 47	200 / PACK
SCT-103.008.16	SCT MCE GRIDED MEMBRANE FILTER, BLACK, NON STERILE, 0.80 ( $\mu\text{m}$ )	DIAMETER 47	200 / PACK

## SCT MICRO ALPHA ( $\alpha$ ) POLYETHERSULFONE (PES) DISC MEMBRANE FILTERS

### SALIENT FEATURES:

- SCT-PES Membrane filters are made of high quality polyether sulfone raw materials.
- SCT-PES are hydrophilic, low protein binding, high thermo stability makes it for good biological applications.
- Asymmetrical pore structure facilitates high dirt loading capacity and high flow rate.
- Evenly distributed pores and uniform pore sizes.
- SCT-PES Membranes has special applications in pharma industries.
- Manufactured in highly sterile conditions.
- Manufactured under ISO 9001:2008 Quality standards



### ORDERING INFORMATIONS:

SCT PRODUCT NO.	DESCRIPTION	SIZE (mm)	UNIT PACK SIZE
SCT-103.009.01	SCT PES MEMBRANE FILTER, PORE: 0.22 ( $\mu$ m)	DIAMETER: 25	200 / PACK
SCT-103.009.02	SCT PES MEMBRANE FILTER, PORE: 0.22 ( $\mu$ m)	DIAMETER: 47	200 / PACK
SCT-103.009.03	SCT PES MEMBRANE FILTER, PORE: 0.45 ( $\mu$ m)	DIAMETER: 25	200 / PACK
SCT-103.009.04	SCT PES MEMBRANE FILTER, PORE: 0.45 ( $\mu$ m)	DIAMETER: 47	200 / PACK
SCT-103.009.05	SCT PES MEMBRANE FILTER, PORE: 0.1 ( $\mu$ m)	DIAMETER: 25	200 / PACK
SCT-103.009.06	SCT PES MEMBRANE FILTER, PORE: 0.1 ( $\mu$ m)	DIAMETER: 47	200 / PACK

149

## SCT MICRO ALPHA ( $\alpha$ ) PVDF POLYVINYLIDENE FLUORIDE DISC MEMBRANE FILTERS

### SALIENT FEATURES:

- SCT PVDF - membrane filters are made of high quality PVDF raw materials.
- High efficiency particle removal can be achieved due to microporous in nature.
- SCT - PVDF are hydrophobic and has low critical surface energy and conventional will not wet with aqueous solutions.
- Good chemical compatibility (0 to 14 pH) and mechanical properties.
- Evenly distributed pores and uniform pore sizes.
- SCT PVDF membranes are good for organic solvents.
- Manufactured in highly sterile conditions.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATIONS:

SCT PRODUCT NO.	DESCRIPTION	SIZE (mm)	UNIT PACK SIZE
SCT-103.010.01	SCT PVDF MEMBRANE FILTER, PORE: 0.22 ( $\mu$ m)	DIAMETER: 25	200 / PACK
SCT-103.010.02	SCT PVDF MEMBRANE FILTER, PORE: 0.22 ( $\mu$ m)	DIAMETER: 47	200 / PACK
SCT-103.010.03	SCT PVDF MEMBRANE FILTER, PORE: 0.45 ( $\mu$ m)	DIAMETER: 25	200 / PACK
SCT-103.010.04	SCT PVDF MEMBRANE FILTER, PORE: 0.45 ( $\mu$ m)	DIAMETER: 47	200 / PACK

## SCT MICRO ALPHA ( $\alpha$ ) POLYPROPYLENE (PP) DISC MEMBRANE FILTERS

### SALIENT FEATURES:

- SCT - PP membrane filters are made of high quality polypropylene raw materials.
- SCT - PP are hydrophobic in nature.
- SCT - PP membranes are good for aqueous and organic solvent samples.
- SCT - PP has low extractable levels, which is used in ion-chromatography columns (longivity).
- It's negligible protein binding capacity below 230 nm, used in HPLC applications, for maximum sample recovery.
- Good for industrial applications.
- Evenly distributed pores and uniform pore sizes.
- Manufactured in highly sterile conditions.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATIONS:

SCT PRODUCT NO.	DESCRIPTION	SIZE (mm)	UNIT PACK SIZE
SCT-103.011.01	SCT PP MEMBRANE FILTER, PORE: 0.22 ( $\mu$ m)	DIAMETER: 25	200 / PACK
SCT-103.011.02	SCT PP MEMBRANE FILTER, PORE: 0.22 ( $\mu$ m)	DIAMETER: 47	200 / PACK
SCT-103.011.03	SCT PP MEMBRANE FILTER, PORE: 0.45 ( $\mu$ m)	DIAMETER: 25	200 / PACK
SCT-103.011.04	SCT PP MEMBRANE FILTER, PORE: 0.45 ( $\mu$ m)	DIAMETER: 47	200 / PACK

## ScichemTech® SCT SYRINGE FILTERS

### SCT - MICRO BETA (β) SYRINGE FILTERS

Scichemtech offers a wide range of their sct-micro beta (β) series syringe filters for the micro filtration of samples ranges from 1 to 10 ml. It has a variety of applications in the biological and biotechnological fields. SCT-micro-beta series has ca, pvdf, ptf, nylon and pes membrane media with pore sizes ranges as 0.22 and 0.45 μm with poly propylene (pp) housings, with standard two diameter sizes 13 and 25 mm. SCT - microbeta covers with both hydrophilic and hydrophobic membrane related applications. These syringe filters can be used in various laboratory and industrial analysis like protein analysis, biological sample preparations, particle filtration, trace metal analysis, chromatographic applications, etc.



All our SCT-syringe filters are manufactured in a highly sterile condition, as per the international norms and standards.

150

#### TECHNICAL SPECIFICATIONS TABLE FOR ALL SCT MICRO BETA (β) SYRINGE FILTERS:

TYPE OF FILTER PARAMETERS	SCT-CA SYRINGE FILTERS	SCT-PVDF SYRINGE FILTERS	SCT - PTFE SYRINGE FILTERS	SCT-NYLON SYRINGE FILTERS	SCT-PES SYRINGE FILTERS
FILTRATION MEDIA/ FILTER	CELLULOSE ACETATE	POLY VINYL DENE DI-FLUORIDE	POLY TETRA FLOURO ETHELENE (TEFLON)	NYLON	POLY ETHER SULFONE
PORE SIZES μm	0.22	0.22	0.22	0.22	0.22
	0.45	0.45	0.45	0.45	0.45
INTERACTION WITH WATER	HYDROPHILIC	HYDROPHOBIC	HYDROPHOBIC	HYDROPHILIC	HYDROPHILIC
FILTER HOUSING	PP	PP	PP	PP	PP
MEMBRANE DIAMETER (mm)	13 & 25	13 & 25	13 & 25	13 & 25	13 & 25
PHYSICAL - CHEMICAL PROPERTIES AND APPLICATION	- HIGH FLOW RATES - HIGH THERMAL STABILITY - LOW ABSORPTION - FOR BIOLOGICAL SOLUTIONS	- LOW PROTEIN BINDING - CHEMICAL STABILITY - HEAT RESISTANCE - FOR MILD ORGANIC SOLUTIONS	- CHEMICAL RESISTANCE - WITH STAND HIGH PRESSURE - FOR HPLC SOLUTIONS AND MOBILE PHASE SOLUTIONS - BUFFERS	- FOR AQUOUS (NON-ACIDIC) SOLUTIONS - HIGH PROTEIN BINDING - HIGH DIRT LOADING - HIGH ABSORBILITY	- LOW BINDING TO PROTEIN & NUCLERIC ACIDS. - FOR MOLECULAR BIOLOGY APPLICATIONS. - HIGH FILTRATION SPEED.

\* ALL OUR SCT - MICRO BETA SYRINGE FILTERS ARE PACKED IN 100 PCS./PK; BOTH STERILE AND NON-STERILE AVAILABLE.

### SCT - MICRO BETA (β) CELLULOSE ACETATE (CA) SYRINGE FILTERS

#### SALIENT FEATURES:

- SCT MICRO BETA CA membranes are made of good quality cellulose acetate.
- It has good flow rate and low protein binding properties.
- They are hydrophilic in nature and good for biological samples.
- It has high cell retention and particle collection.
- Properly and highly manufactured under good aseptic conditions.
- SCT offers fully sterile and individual packed syringe filters also upon request.
- Manufactured under ISO 9001:2008 Quality standards.



#### ORDERING INFORMATIONS:

SCT PRODUCT NO.	DESCRIPTION	SIZE (mm)	UNIT PACK SIZE
SCT-103.015.01	SCT CA SYRINGE FILTERS, PORE:0.22 (μm), PP GEAR RIM	DIAMETER :13	100 / PACK
SCT-103.015.02	SCT CA SYRINGE FILTERS, PORE:0.45 (μm), PP GEAR RIM	DIAMETER :13	100 / PACK
SCT-103.015.03	SCT CA SYRINGE FILTERS, PORE:0.22 (μm), PP GEAR RIM	DIAMETER: 25	100 / PACK
SCT-103.015.04	SCT CA SYRINGE FILTERS, PORE:0.45 (μm), PP GEAR RIM	DIAMETER: 25	100 / PACK

## SCT - MICRO BETA ( $\beta$ ) PVDF SYRINGE FILTERS

### SALIENT FEATURES:

- SCT MICRO BETA PVDF membranes are made of good quality PVDF membranes.
- It has good temperature stability and chemical resistance.
- They are hydrophobic and low protein binding is suitable maximum protein recovery.
- Good for non-aggressive aqueous and mild organic solutions.
- Properly and highly manufactured under good aseptic conditions.
- SCT offers fully sterile and individual packed syringe filters also upon request.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATION:

SCT PRODUCT NO.	DESCRIPTION	SIZE (mm)	UNIT PACK SIZE
SCT-103.016.01	SCT PVDF SYRINGE FILTER, PORE: 0.22 ( $\mu$ m), PP GEAR RIM	DIAMETER: 13	100 / PACK
SCT-103.016.02	SCT PVDF SYRINGE FILTER, PORE: 0.45 ( $\mu$ m), PP GEAR RIM	DIAMETER: 13	100 / PACK
SCT-103.016.03	SCT PVDF SYRINGE FILTER, PORE: 0.22 ( $\mu$ m), PP GEAR RIM	DIAMETER: 25	100 / PACK
SCT-103.016.04	SCT PVDF SYRINGE FILTER, PORE: 0.45 ( $\mu$ m), PP GEAR RIM	DIAMETER: 25	100 / PACK

151

## SCT - MICRO BETA ( $\beta$ ) PTFE SYRINGE FILTERS

### SALIENT FEATURES:

- SCT MICRO BETA PTFE membranes are made of good quality PTFE membranes.
- It has good chemical compatibility.
- Good flow rates and low protein binding
- They are hydrophobic
- Good for aqueous solutions, biological solutions.
- Properly and highly manufactured under good aseptic conditions.
- SCT offers fully sterile and individual packed syringe filters also upon request.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATION:

SCT PRODUCT NO.	DESCRIPTION	SIZE (mm)	UNIT PACK SIZE
SCT-103.017.01	SCT PTFE SYRINGE FILTERS, PORE: 0.22 ( $\mu$ m), HYDROPHOBIC, PP GEAR RIM	DIAMETER: 13	100 / PACK
SCT-103.017.02	SCT PTFE SYRINGE FILTERS, PORE: 0.45 ( $\mu$ m), HYDROPHOBIC, PP GEAR RIM	DIAMETER: 13	100 / PACK
SCT-103.017.03	SCT PTFE SYRINGE FILTERS, PORE: 0.22 ( $\mu$ m), HYDROPHOBIC, PP GEAR RIM	DIAMETER: 25	100 / PACK
SCT-103.017.04	SCT PTFE SYRINGE FILTERS, PORE: 0.45 ( $\mu$ m), HYDROPHOBIC, PP GEAR RIM	DIAMETER: 25	100 / PACK
SCT-103.017.05	SCT PTFE SYRINGE FILTERS, PORE: 0.22 ( $\mu$ m), HYDROPHILIC, PP GEAR RIM	DIAMETER: 13	100 / PACK
SCT-103.017.06	SCT PTFE SYRINGE FILTERS, PORE: 0.45 ( $\mu$ m), HYDROPHILIC, PP GEAR RIM	DIAMETER: 13	100 / PACK
SCT-103.017.07	SCT PTFE SYRINGE FILTERS, PORE: 0.22 ( $\mu$ m), HYDROPHILIC, PP GEAR RIM	DIAMETER: 25	100 / PACK
SCT-103.017.08	SCT PTFE SYRINGE FILTERS, PORE: 0.45 ( $\mu$ m), HYDROPHILIC, PP GEAR RIM	DIAMETER: 25	100 / PACK

## SCT - MICRO BETA ( $\beta$ ) NYLON SYRINGE FILTERS

### SALIENT FEATURES:

- SCT MICRO BETA NYLON membranes are made of good quality NYLON membranes.
- It has high protein binding and high dirt load capacity.
- They are hydrophilic good flow rate and very low extractable levels
- Good for aqueous (non-acidic), organic sample preparation, dissolution sample analysis.
- Properly and highly manufactured under good aseptic conditions.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATION:

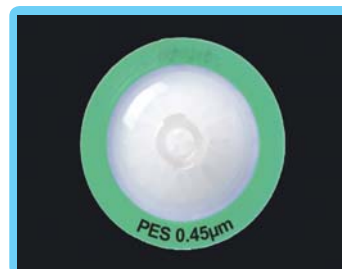
SCT PRODUCT NO.	DESCRIPTION	SIZE (mm)	UNIT PACK SIZE
SCT-103.018.01	SCT NYLON SYRINGE FILTERS, PORE: 0.22( $\mu$ m), PP GEAR RIM	DIAMETER: 13	100 / PACK
SCT-103.018.02	SCT NYLON SYRINGE FILTERS, PORE: 0.45( $\mu$ m), PP GEAR RIM	DIAMETER: 13	100 / PACK
SCT-103.018.03	SCT NYLON SYRINGE FILTERS, PORE: 0.22( $\mu$ m), PP GEAR RIM	DIAMETER: 25	100 / PACK
SCT-103.018.04	SCT NYLON SYRINGE FILTERS, PORE: 0.45( $\mu$ m), PP GEAR RIM	DIAMETER: 25	100 / PACK



## SCT - MICRO BETA (β) PES SYRINGE FILTER

### SALIENT FEATURES:

- SCT MICRO BETA PES membranes are made of good quality PES membranes.
- It has low protein binding, fast flow rate , with low extraction.
- SCT - PES syringe filters are Hydrophilic.
- Good for pre-filtration, buffers and culture media.
- Properly and highly manufactured under good aseptic conditions.
- SCT offers fully sterile and individual packed syringe filters also upon request.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATIONS:

SCT PRODUCT NO.	DESCRIPTION	SIZE (mm)	UNIT PACK SIZE
SCT-103.019.01	SCT PES SYRINGE FILTERS, PORE:0.22(µm), PP GEAR RIM	DIAMETER: 13	100 / PACK
SCT-103.019.02	SCT PES SYRINGE FILTERS, PORE:0.45(µm), PP GEAR RIM	DIAMETER: 13	100 / PACK
SCT-103.019.03	SCT PES SYRINGE FILTERS, PORE:0.22(µm), PP GEAR RIM	DIAMETER: 25	100 / PACK
SCT-103.019.04	SCT PES SYRINGE FILTERS, PORE:0.45(µm), PP GEAR RIM	DIAMETER: 25	100 / PACK

152

## SCT BERNOU DISPOSABLE VACUUM FILTRATION UNITS

### SALIENT FEATURES:

- SCT - BERNOU - disposable vacuum filtration units are made of high quality plastic and in the aseptic conditions.
- Flask hose connector has different pore sizes.
- Available in 0.22 µm and 0.45 µm pore sizes and volume sizes: 250 and 500ml
- Filter diameter: 50 mm membrane diameter for 250 ml units and 75mm for 500 ml units
- SCT offers both MCE (Mixed Cellulose Esters) and PES (Polyether Sulfone Membranes)
- Light weight and heavy wall construction Engraved graduation ensure veracity
- Designed wide and easy access bottle mouth for efficient and stability pour out
- Large knurls on the reservoir bottle cap for easy screw
- Reservoir bottles feature easy grip sides for improved handling, simplify tightening/ loosening and adjustments
- Detergent-free, tissue culture compatible, and heat-sealed to the support grid to maximize flow rate, reduce foaming and protein de-naturation
- SCT-BERNOU FILTRATION units has a variety of Applications in Tissue, cell culture and microbiology.
- SCT- BERNOU Disposable Vacuum Filtration units are certified non-pyrogenic
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATIONS:

SCT PRODUCT NO.	DESCRIPTION	FILTER TYPE	UNIT PACK SIZE
SCT-103.020.01	SCT FUNNEL CAPACITY 250ML CAPACITY, DIAMETER:50MM, BOTH UPPER CAPACITY AND RECEIVER CAPACITY ARE 250ML	FILTER PORE SIZE(µm) 0.22, MEMBRANE MATERIAL PES	12 PCS / BOX
SCT-103.020.02	SCT FUNNEL CAPACITY 250ML CAPACITY, DIAMETER:50MM, BOTH UPPER CAPACITY AND RECEIVER CAPACITY ARE 250ML	FILTER PORE SIZE(µm) 0.22, MEMBRANE MATERIAL MCE	12 PCS / BOX
SCT-103.020.03	SCT FUNNEL CAPACITY 250ML CAPACITY, DIAMETER:50MM, BOTH UPPER CAPACITY AND RECEIVER CAPACITY ARE 250ML	FILTER PORE SIZE(µm) 0.45, MEMBRANE MATERIAL PES	12 PCS / BOX
SCT-103.020.04	SCT FUNNEL CAPACITY 250ML CAPACITY, DIAMETER:50MM, BOTH UPPER CAPACITY AND RECEIVER CAPACITY ARE 250ML	FILTER PORE SIZE(µm) 0.45, MEMBRANE MATERIAL MCE	12 PCS / BOX
SCT-103.020.05	SCT FUNNEL CAPACITY, 250ML CAPACITY, DIAMETER:50MM, UPPER CAPACITY 250ML AND RECEIVER CAPACITY IS 500ML	FILTER PORE SIZE(µm) 0.22, MEMBRANE MATERIAL PES	12 PCS / BOX
SCT-103.020.06	SCT FUNNEL CAPACITY, 250ML CAPACITY, DIAMETER:50MM, UPPER CAPACITY 250ML AND RECEIVER CAPACITY IS 500ML	FILTER PORE SIZE(µm) 0.22, MEMBRANE MATERIAL MCE	12 PCS / BOX
SCT-103.020.07	SCT FUNNEL CAPACITY, 250ML CAPACITY, DIAMETER:50MM, UPPER CAPACITY 250ML AND RECEIVER CAPACITY IS 500ML	FILTER PORE SIZE(µm) 0.45, MEMBRANE MATERIAL PES	12 PCS / BOX
SCT-103.020.08	SCT FUNNEL CAPACITY, 250ML CAPACITY, DIAMETER:50MM, UPPER CAPACITY 250ML AND RECEIVER CAPACITY IS 500ML	FILTER PORE SIZE(µm) 0.45, MEMBRANE MATERIAL MCE	12 PCS / BOX
SCT-103.020.09	SCT FILTER FUNNEL, 250ML CAPACITY DIAMETER:50MM FILTER TOP FUNNEL	FILTER PORE SIZE(µm) 0.22, MEMBRANE MATERIAL PES	12 PCS / BOX
SCT-103.020.10	SCT FILTER FUNNEL, 250ML CAPACITY DIAMETER:50MM FILTER TOP FUNNEL	FILTER PORE SIZE(µm) 0.22, MEMBRANE MATERIAL MCE	12 PCS / BOX
SCT-103.020.11	SCT FILTER FUNNEL, 250ML CAPACITY DIAMETER:50MM FILTER TOP FUNNEL	FILTER PORE SIZE(µm) 0.45, MEMBRANE MATERIAL PES	12 PCS / BOX
SCT-103.020.12	SCT FILTER FUNNEL, 250ML CAPACITY DIAMETER:50MM FILTER TOP FUNNEL	FILTER PORE SIZE(µm) 0.45, MEMBRANE MATERIAL MCE	12 PCS / BOX
SCT-103.020.13	SCT RESERVOIR BOTTLES 250ML	BOTTLE MATERIAL PS (POLY STYRENE)	24 PCS / BOX
SCT-103.020.14	SCT RESERVOIR BOTTLES 500ML	BOTTLE MATERIAL PS (POLY STYRENE)	24 PCS / BOX

## SCT - MEMBRANE / SYRINGE FILTERS CHEMICAL COMPATIBILITY CHART

CHEMICALS	SCT-CA	SCT-NYLON	SCT-PTFE	SCT-RC	SCT-PES	SCT-PP	SCT-PVDF
Acetic, Glacial	NO	OK	YES	YES	YES	YES	YES
Acetic, 25%	YES	YES	YES	YES	YES	YES	YES
Hydrochloric, concentrated	NO	NO	YES	NO	YES	YES	YES
Hydrochloric, 25%	NO	NO	YES	NO	YES	YES	YES
Sulphuric, concentrated	NO	NO	YES	NO	NO	YES	NO
Sulphuric, 25%	NO	NO	YES	OK	YES	YES	YES
Nitric, concentrated	NO	NO	YES	NO	NO	YES	YES
Nitric, 25%	NO	NO	YES	NO	YES	YES	YES
Phosphoric, 25%	YES	NO	YES	OK	NA	YES	NA
Formic, 25%	OK	NO	YES	YES	NA	YES	NA
Trichloroacetic, 25%	YES	NO	YES	YES	NA	YES	NA
Ammonium Hydroxide, 25%	YES	YES	YES	OK	YES	YES	OK
Sodium Hydroxide, 25%	NO	YES	YES	OK	YES	YES	YES
Methanol, 98%	YES	YES	YES	YES	YES	YES	YES
Ethanol, 98%	YES	YES	YES	YES	YES	YES	YES
Ethanol, 70%	YES	OK	YES	YES	YES	YES	YES
Isopropanol	YES	YES	YES	YES	YES	YES	YES
n-Propanol	YES	YES	YES	YES	YES	YES	YES
Amyl Alcohol Butanol	YES	YES	YES	YES	YES	YES	YES
Benzyl Alcohol	OK	YES	YES	YES	NA	YES	YES
Ethylene Glycol	YES	YES	YES	YES	YES	YES	YES
Propylene Glycol	OK	YES	YES	YES	YES	YES	YES
Glycerol	YES	YES	YES	YES	YES	YES	YES
Hexane, Xylene	YES	YES	YES	YES	NO	NO	YES
Toluene, Benzene	YES	YES	YES	YES	NO	NO	YES
Kerosene, Gasoline	YES	YES	YES	YES	OK	OK	YES
Tetralin, Decalin	YES	NA	YES	YES	NA	NA	YES
Methylene Chloride	NO	OK	YES	YES	NO	OK	YES
Chloroform	NO	YES	YES	YES	NO	OK	YES
Trichloroethylene	YES	YES	YES	YES	NO	YES	YES
Monochlorobenzene	YES	YES	YES	YES	OK	YES	YES
Freon	YES	YES	YES	YES	OK	YES	YES
Carbon Tetrachloride	OK	YES	YES	YES	NO	OK	YES
Acetone	NO	YES	YES	YES	NO	YES	NO
Cyclohexanone	NO	YES	YES	YES	NO	YES	NO
Methyl Ethyl Ketone	OK	YES	YES	YES	NO	OK	OK
Isopropylacetone	YES	YES	YES	YES	NO	NA	NO
Methyl Isobutyl Ketone	NA	YES	YES	YES	NO	OK	OK
Ethyl & Methyl Acetate	NO	YES	YES	YES	NO	OK	YES
Amyl & Butyl Acetate	OK	YES	YES	YES	NO	OK	NO
Propyl Acetate	OK	YES	YES	YES	NO	OK	NO
Propylene Glycol Acetate	NO	NA	YES	YES	NO	YES	NA
2-Ethoxyethyl Acetate	OK	NA	YES	YES	NO	NA	NA
Methyl Cellosolve Acetate	NO	NA	YES	YES	NO	YES	NA
Benzyl Benzoate	YES	YES	YES	YES	NO	NA	NA
Isopropyl Myristate	YES	YES	YES	YES	NO	NA	NA
Tricresyl Phosphate	YES	NA	YES	YES	NO	NA	NA
Ethyl Ether	YES	YES	YES	YES	YES	YES	YES
Dioxane	NO	YES	YES	YES	NO	NA	OK
Tetrahydrofuran	NO	YES	YES	YES	NO	NA	OK
Triethanolamine	YES	YES	YES	YES	NA	NA	NA
Dimethylsulfoxide (DMSO)	NO	YES	YES	YES	NO	NO	NO
Isopropyl Ether	YES	NA	YES	YES	YES	YES	YES
Dimethyl Formamide	NO	OK	YES	OK	NO	YES	NO
Diethylacetamide	NO	YES	YES	YES	NA	NA	NA
Triethanolamine	YES	YES	YES	YES	NA	NA	NA
Aniline	NO	NA	YES	YES	NA	NA	NA
Pyridine	NO	YES	YES	YES	NO	NO	YES
Acetonitrile	NO	YES	YES	YES	OK	YES	OK
Phenol, Aqueous, 10%	NO	NA	YES	NO	NO	YES	OK
Formaldehyde Solution, 30%	YES	YES	YES	OK	YES	YES	YES
Hydrogen Peroxide, 30%	YES	YES	YES	YES	NA	NA	NA
Silicone Oil & Mineral Oil	YES	NA	YES	YES	YES	YES	YES

### Key to Table

YES	Compatible
OK	Limited Compatibility
NO	Not compatible
N/A	Data not available

### ScichemTech

Chemical Compatibility Chart for SCT-Micro alpha (α) Membrane filters and SCT-Micro beta (β) Syringe Filters

## ScichemTech® CONSUMABLES

### SCT FILTERED PIPETTE TIPS

#### SALIENT FEATURES:

- SCT Tissue pipette tips are made of good quality plastic and in aseptic conditions.
- Available with 4 transfer volumes of 0.1-10, 10-100, 10-200 and 100-1000µl.
- Sterilization by Gamma Irradiation.
- Reduces loss of cells and proteins that bind to glass
- Available in 96/box, 72/pk and 1000/pk sizes.
- Both sterile and non-sterile available.
- Manufactured under ISO 9001:2008 Quality standards.



154

#### ORDERING INFORMATION:

PRODUCT NO.	DESCRIPTION	STERILITY	UNIT PACK SIZE
SCT-103.025.01	SCT PIPETTE MICRO TIPS, 0.1~10µl, WITH FILTER, PIPETTE MICRO TIP BOX	STERILE	96 / BOX
SCT-103.025.02	SCT PIPETTE MICRO TIPS, 10~100µl, WITH FILTER, PIPETTE MICRO TIP BOX	STERILE	96 / BOX
SCT-103.025.03	SCT PIPETTE MICRO TIPS, 20~200µl, WITH FILTER, PIPETTE MICRO TIP BOX	STERILE	96 / BOX
SCT-103.025.04	SCT PIPETTE MICRO TIPS, 50~300µl, WITH FILTER, PIPETTE MICRO TIP BOX	STERILE	96 / BOX
SCT-103.025.05	SCT PIPETTE MICRO TIPS, 100~1000µl, WITH FILTER, PIPETTE MICRO TIP BOX	STERILE	72 / BOX
SCT-103.025.06	SCT PIPETTE MICRO TIPS, 0.1~10µl, NATURAL WITH FILTER	NON-STERILE	1000 / PACK
SCT-103.025.07	SCT PIPETTE MICRO TIPS, 10~100µl, NATURAL WITH FILTER	NON-STERILE	1000 / PACK
SCT-103.025.08	SCT PIPETTE MICRO TIPS, 0.1~10µl, NATURAL WITH FILTER	STERILE	1000 / PACK
SCT-103.025.09	SCT PIPETTE MICRO TIPS, 10~100µl, WITH FILTER	STERILE	1000 / PACK
SCT-103.025.10	SCT PIPETTE MICRO TIPS, 100~1000µl, WITH FILTER	STERILE	1000 / PACK

\* For regular and normal pipette tips, please refer SCT-102.021.XX

### SCT PCR TUBES

#### SALIENT FEATURES:

- SCT TISSUE - PCR Tubes are made of high quality plastic and in aseptic conditions.
- External graduations and frosted writing surface aid in sample identification
- Autoclavable under normal autoclaving conditions.
- Easy to open and close using one hand.
- Certified DNA/RNAase free.
- Available in 200/pk and 1000/pk. sizes.
- Gamma irradiated sterile.
- Manufactured under ISO 9001:2008 Quality standards.



#### ORDERING INFORMATION (Please Check the pack size, prior to order)

PRODUCT NO.	DESCRIPTION	TUBE TYPE	UNIT PACK SIZE
SCT-103.026.01	SCT PCR TUBES	DOMES CAP, THIN WALL, 0.2ML	1000 / PACK
SCT-103.026.02	SCT PCR TUBES	FLAT CAP, THIN WALL, 0.2ML	1000 / PACK
SCT-103.026.03	SCT PCR TUBES	FLAT CAP, THIN WALL, 0.5ML	1000 / PACK
SCT-103.026.04	SCT PCR COADUNATE TUBE	8-STRIP, DOME COVER	200 /PACK

## SCT FREEZE / CRYO TUBES

### SALIENT FEATURES:

- SCT - Tissue Freeze / Cryo Tubes are made of high quality plastic in the aseptic conditions.
- Available with 7 volume of 0.5, 1.5, 1.8, 5, 7, 10 and 12 ml
- Self standing 0.5, 1.5, 1.8, 5.0 and 10 ml, 12 ml is round bottom.
- Clear writing surface on the tubes.
- Screw cap with plug seal for one-handed operation
- Easy-to-read graduations are accurate to  $\pm 2\%$ , 7 ml is ungraduated.
- Gamma irradiation sterilized
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATION:

PRODUCT NO.	DESCRIPTION	TUBE TYPE	UNIT PACK SIZE
SCT-103.027.01	SCT FREEZE CRYO TUBES	1.5ML, SELF STANDING, STERILE	1000 / PACK
SCT-103.027.02	SCT FREEZE CRYO TUBES	1.8ML, SELF STANDING, STERILE	400 / PACK
SCT-103.027.03	SCT FREEZE CRYO TUBES	5.0ML, SELF STANDING, STERILE	200 / PACK
SCT-103.027.04	SCT FREEZE CRYO TUBES	7ML, SILICON RING, UNGRADUATED, STERILE	200 / PACK
SCT-103.027.05	SCT FREEZE CRYO TUBES	10ML, SILICON RING, SELF STANDING, STERILE	200 / PACK

155

## SCT SPIN COLUMNS

### SALIENT FEATURES:

- SCT Tissue, Spin columns are made of high quality plastic and GF (glass fibre) membranes.
- SCT mini spin column for DNA/RNA extractions.
- Silica membrane based 2 ml format spin column
- Compatible with all the leading manufacturer's buffers.
- High Binding capacity
- Fragment size: 65 bp -10 kbp.
- Buffer recipe provided for plasmid miniprep, gel extraction and PCR clean up
- Purified DNA suitable for many downstream molecular manipulations including PCR, ligation, restriction enzyme digestion, transformation and transfection, radioactive and fluorescent sequencing
- Our SCT - Molecular biology team can provide more products based on your specific applications.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATION:

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.028.01	SCT SPIN COLUMN, 3 LAYERS OF GF/F GLASS FIBER MEMBRANES	100 / PACK
SCT-103.028.02	SCT SPIN COLUMN, 4 LAYERS OF GF/F GLASS FIBER MEMBRANES	100 / PACK
SCT-103.028.03	SCT SPIN COLUMN, 5 LAYERS OF GF/F GLASS FIBER MEMBRANES	100 / PACK
SCT-103.028.04	SCT SPIN COLUMN (RNase - FREE)	100 / PACK
SCT-103.028.05	SCT DNA GEL EXTRACTION KIT (50 PREPS)	1 / PACK
SCT-103.028.06	SCT PCR AND DNA FRAGMENT PURIFICATION KIT (50 PREPS)	1 / PACK
SCT-103.028.07	SCT HIGH PURITY PLASMID MINI-PREP KIT (50 PREPS)	1 / PACK
SCT-103.028.08	SCT QUICK BACTERIA GENOMIC DNA EXTRACTION KIT (50 PREPS)	1 / PACK
SCT-103.028.09	SCT QUICK YEAST GENOMIC DNA EXTRACTION KIT (50 PREPS)	1 / PACK
SCT-103.028.10	SCT QUICK BLOOD GENOMIC DNA EXTRACTION KIT (50 PREPS)	1 / PACK
SCT-103.028.11	SCT GENERAL ECO-FRIENDLY RNA EXTRACTION KIT (50 PREPS)	1 / PACK

## SCT PASTEUR/TRANSFER PIPETTES (TISSUE CULTURE GRADE)

### SALIENT FEATURES:

- SCT - Tissue, pasteur / transfer pipettes are made of high quality PE - polyethylene.
- Available in 6 different capacities 0.5, 1.0, 2.0, 3.0, 5.0 and 6.0 ml.
- Disposable, easy and safe to use.
- Ideal for sampling and for decanting infectious or toxic liquids.
- Long flexible stem make easy liquid handling.
- Available in gamma irradiation sterilized or non-sterilized
- Can be used for general applications also.
- Tissue culture tested, PE reduces loss of cells, less binding of proteins comparing with the glass pipettes.
- Manufactured under ISO 9001:2008 Quality standards.



156

### ORDERING INFORMATIONS:

PRODUCT NO.	DESCRIPTION	STERILITY	UNIT PACK SIZE
SCT-103.029.01	SCT PASTEUR/TRANSFER PIPETTES, 0.5 ML, INDIVIDUALLY PACKED	STERILE	300 / PACK
SCT-103.029.02	SCT PASTEUR/TRANSFER PIPETTES, 1 ML, INDIVIDUALLY PACKED	STERILE	100 / PACK
SCT-103.029.03	SCT PASTEUR/TRANSFER PIPETTES, 2 ML, INDIVIDUALLY PACKED	STERILE	100 / PACK
SCT-103.029.04	SCT PASTEUR/TRANSFER PIPETTES, 3 ML, INDIVIDUALLY PACKED	STERILE	500 / PACK
SCT-103.029.05	SCT PASTEUR/TRANSFER PIPETTES, 5 ML, INDIVIDUALLY PACKED	STERILE	300 / PACK
SCT-103.029.06	SCT PASTEUR/TRANSFER PIPETTES, 6 ML, INDIVIDUALLY PACKED	STERILE	300 / PACK

## SCT TISSUE CULTURE/ BIOTECH GRADE PIPETTES

### SALIENT FEATURES:

- SCT - Tissue, disposable serological/measuring pipettes are made of good quality polystyrene (PS).
- Available in 1, 2, 5, 10 and 25 ml.
- Available in color coding for easy identification with the pipette volume
- Standard length within 29.5 cm, short length within 22.0cm
- Guaranteed sterile via gamma irradiation
- Negative graduation provides additional volume
- Peel packed for easy opening.
- Certified DNA/RNAase free, non-pyrogenic, non-toxicity
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATION:

PRODUCT NO.	DESCRIPTION	PACKING	UNIT PACK SIZE
SCT-103.030.01	SCT 1 ML GRADUATED PIPETTE, YELLOW	INDIVIDUAL, PEEL PACK	500 / BOX
SCT-103.030.02	SCT 2 ML GRADUATED PIPETTE, GREEN	INDIVIDUAL, PEEL PACK	500 / BOX
SCT-103.030.03	SCT 5 ML GRADUATED PIPETTE, BLUE	INDIVIDUAL, PEEL PACK	250 / BOX
SCT-103.030.04	SCT 10 ML GRADUATED PIPETTE, ORANGE	INDIVIDUAL, PEEL PACK	200 / BOX
SCT-103.030.05	SCT 25 ML GRADUATED PIPETTE, RED	INDIVIDUAL, PEEL PACK	100 / BOX
SCT-103.030.06	SCT SHORT 5 ML GRADUATED PIPETTE, BLUE, SHORT LENGTH (22.0CM)	INDIVIDUAL, PEEL PACK	250 / BOX
SCT-103.030.07	SCT SHORT 10 ML GRADUATED PIPETTE, ORANGE, SHORT LENGTH (22.0CM)	INDIVIDUAL, PEEL PACK	200 / BOX

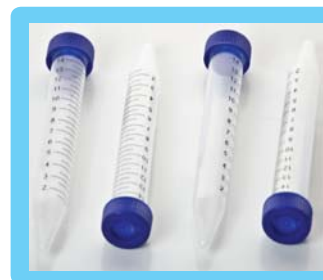
\* Availability of pipette code colors is subjected to change.

\* Please refer SCT-102.018.XX - General Type, Polystyrene

## SCT TISSUE CULTURE – BIOTECH GRADE CENTRIFUGE TUBES

### SALIENT FEATURES:

- SCT - Tissue, centrifuge tubes are made of good quality poly propylene (PP) in a aseptic conditions.
- Crystal-polypropylene provide excellent see-through clarity
- Printed volume graduations along length of tube
- Leak-proof closure provide with complete protection
- Screw caps. Conical-bottom shape.
- Polypropylene (PP) tube has excellent chemical resistance
- Flat cap and frosted area on tube provides writing surface for sample identification
- Withstands autoclave up to 20min. @ 121°C
- Medical-style packaging ensures sterile
- Certified DNA/RNase free, non-pyrogenic, non-toxicity
- Manufactured under ISO 9001:2008 Quality standards.



157

### ORDERING INFORMATION:

PRODUCT NO.	DESCRIPTION	TUBES / RACK / BAG	UNIT PACK SIZE
SCT-103.031.01	SCT 15ML PP CONICAL BOTTOM CENTRIFUGE TUBES, RACK RACK PACKED WITH PLUG SEAL CAP, MAXIMUM RCF: 16,000XG, STERILE, 50TUBES/RACK	50 TUBES / RACK	500 / CARTON
SCT-103.031.02	SCT 15ML PP CONICAL BOTTOM CENTRIFUGE TUBES, BAG BULK BAG PACKED WITH PLUG SEAL CAP, MAXIMUM RCF: 16,000XG, STERILE, 50TUBES/BAG	50 TUBES / RACK	500 / CARTON
SCT-103.031.03	SCT 50ML PP CONICAL BOTTOM CENTRIFUGE TUBES, RACK RACK PACKED WITH PLUG SEAL CAP, MAXIMUM RCF: 20,000XG, STERILE, 25TUBES/RACK	50 TUBES / RACK	500 / CARTON
SCT-103.031.04	SCT 50ML PP CONICAL BOTTOM CENTRIFUGE TUBES, BAG BULK BAG PACKED WITH PLUG SEAL CAP, MAXIMUM RCF: 20,000XG, STERILE, 50TUBES/BAG	50 TUBES / RACK	500 / CARTON

- UNIT INDICATES PCS ONLY.

## SCT ELISA PLATES

### SALIENT FEATURES:

- SCT - Tissue, ELISA plates made of good quality PS - polystyrene in aseptic conditions.
- 3 Size for choice: strip of 8-well, 12-well and integrated
- 96-Well microtiter plate format
- High sensitivity (1.58 PG/ml) and wide dynamic range.
- Can be used for immunology and special tissue studies.
- Standard footprint, compatibility with all reader and washing instruments
- Low background, high noise rate.
- Mid-binding ability approx. 350ng mouse IgG/cm<sup>2</sup>
- High-binding ability approx. 500ng mouse IgG/cm<sup>2</sup>
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATION:

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.032.01	SCT CLEAR FLAT BOTTOM 96 WELL HING BINDING MICROPLATE WITHOUT LID, 10/PACK, BINDING CAPACITY: 400-500 NG IGG/CM <sup>2</sup> , AREA: 0.36CM <sup>2</sup> /WELL, VOLUME: 0.37 ML/WELL	200 / CARTON
SCT-103.032.02	SCT CLEAR FLAT BOTTOM 96 WELL HING BINDING MICROPLATE, 8 WELL STRIP WITHOUT LID, 10/PACK, BINDING CAPACITY: 400-500 NG IGG/CM <sup>2</sup> , AREA: 0.36CM <sup>2</sup> /WELL, VOLUME: 0.32ML/WELL	200 / CARTON
SCT-103.032.03	SCT CLEAR FLAT BOTTOM 96 WELL MEDIUM BINDING MICROPLATE WITHOUT LID, 10/PACK, BINDING CAPACITY: ~200 NG IGG/CM <sup>2</sup> , AREA: 0.36CM <sup>2</sup> /WELL, VOLUME: 0.37ML/WELL	200 / CARTON
SCT-103.032.04	SCT CLEAR FLAT BOTTOM 96 WELL MEDIUM BINDING MICROPLATE, 8 WELL STRIP WITHOUT LID, 10/PACK, BINDING CAPACITY: ~200 NG IGG/CM <sup>2</sup> , AREA: 0.32 CM <sup>2</sup> /WELL, VOLUME: 0.37 ML/WELL	200 / CARTON

- UNIT INDICATES PCS ONLY.

## SCT FILTER PLATE

### SALIENT FEATURES:

- SCT - Tissue, filter plates are made of good quality plastic in an aseptic conditions.
- Full 1ml and 0.3ml sample volume with drip tips directors
- Available in GF (glass fibre), PVDF - membranes.
- Individually sealed wells eliminate sample cross contamination
- SBS standard footprint is compatible with HTS automation and robotic
- It has wide range of bio-applications.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATIONS:

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.033.01	SCT 96-WELL FILTRATION PLATE,CAPACITY:0.3ML/WELL, PVDF,PORE SIZE:0.4UM	100 / BOX
SCT-103.033.02	SCT 96-WELL FILTRATION PLATE WITHOUT MEMBRANE/BLANK CAPACITY :0.3ML/WELL	100 / BOX
SCT-103.033.03	SCT 96-WELL FILTER PLATE,CAPACITY:1.0ML/WELL, GF/C MEMBRANE,PORE SIZE:1.0UM	100 / BOX
SCT-103.033.04	SCT 96-WELL FILTRATION PLATE WITHOUT MEMBRANE/BLANK CAPACITY :1.0ML/WELL	100 / BOX

\* UNIT INDICATES PCS ONLY.

## SCT PROTEIN CRYSTALLIZATION PLATES

### SALIENT FEATURES:

- SCT - Tissue, protein crystallization well plates are made of good quality plastics in aseptic conditions.
- Available in 24, 48, 72, 96 and 384 well plates with individual markings.
- 96 Well structure with SBS standard footprint is compatible with multichannel pipettors, robotic and automation
- Per reservoir with 2 or 3 corresponding sample wells convenient for reference.
- Coverslips surface is hydrophobic for 24 well hanging drop plate
- Designed to get a clear results using SCT-crystallization plates.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATIONS:

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.034.01	SCT 96-WELL WITH 2DROPS,UV POLYMER,SBS FOOTPRINT FOR ROBOT AND AUTOMATION,U-SHAPE INDIVIDUALLY WRAPPED, 50-100 ML OF RESERVIOR AND 10 NL-5 ML DROP SIZE	200 / CARTON
SCT-103.034.02	SCT 96-WELL WITH 2DROPS,POLYSTYRENE,SBS FOOTPRINT FOR ROBOT AND AUTOMATION,U-SHAPE INDIVIDUALLY WRAPPED, 50-100 ML OF RESERVIOR AND 10 NL-5 ML DROP SIZE	200 / CARTON
SCT-103.034.03	SCT 96-WELL WITH 3DROPS,UV POLYMER,SBS FOOTPRINT FOR ROBOT AND AUTOMATION,U-SHAPE INDIVIDUALLY WRAPPED, 20 - 40 ML OF RESERVIOR AND 10 NL-5 ML DROP SIZE.	200 / CARTON
SCT-103.034.04	SCT 96-WELL WITH 3DROPS,POLYSTYRENE,SBS FOOTPRINT FOR ROBOT AND AUTOMATION, INDIVIDUALLY WRAPPED, 20 - 40 ML OF RESERVIOR AND 10 NL-5 ML DROP SIZE.	200 / CARTON
SCT-103.034.05	SCT 96-WELL WITH 2DROPS,UV POLYMER,SBS FOOTPRINT FOR ROBOT AND AUTOMATION,U-SHAPE INDIVIDUALLY WRAPPED, 50-200 ML OF RESERVIOR AND 10 NL-4 ML DROP SIZE	200 / CARTON
SCT-103.034.06	SCT 96-WELL WITH 2DROPS,POLYSTYRENE,SBS FOOTPRINT FOR ROBOT AND AUTOMATION,U-SHAPE INDIVIDUALLY WRAPPED, 50-200 ML OF RESERVIOR AND 10 NL-4 ML DROP SIZE	200 / CARTON
SCT-103.034.07	SCT 96-WELL WITH 3DROPS,UV POLYMER,SBS FOOTPRINT FOR ROBOT AND AUTOMATION,F-SHAPE INDIVIDUALLY WRAPPED, 50-200 ML OF RESERVIOR AND 5 NL-2ML DROP SIZE	200 / CARTON
SCT-103.034.08	SCT 96-WELL WITH 3DROPS,POLYSTYRENE,SBS FOOTPRINT FOR ROBOT AND AUTOMATION,F-SHAPE INDIVIDUALLY WRAPPED, 50-200 ML OF RESERVIOR AND 5NL-2ML DROP SIZE	200 / CARTON

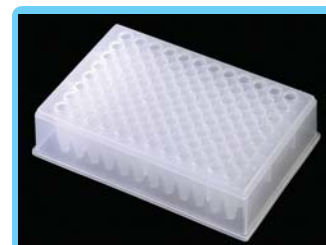
\* For other size cover slips, pls. refer SCT.103.045.XX

- UNIT INDICATES PCS ONLY.

## SCT DEEP WELL PLATES

### SALIENT FEATURES:

- SCT Tissue, deep well plates are made of good quality plastics.
- Available in 96 well format, 1.2 & 2.2 ML, (PP & PS), in an aseptic conditions.
- Round & square wells with “U” bottom plates are available.
- Made of original super clear polypropylene and polystyrene.
- Stackable design with write on areas for plate identification.
- Alpha-numeric grid for well identification.
- Autoclavable plates upon request.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATIONS:

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.035.01	96 WELL PP PLATE, ROUND WELL,1.2ML 10/PACK, POLYPROPYLENE, ROUND WELL WITH U-SHAPE BOTTOM, VOLUME: 1.2 ML	100 / BOX
SCT-103.035.02	96 WELL PP PLATE, SQUARE WELL,2.2ML 10/PACK, POLYPROPYLENE, SQUARE WELL WITH U-SHAPE BOTTOM, VOLUME: 2.2 ML	100 / BOX
SCT-103.035.03	SUPER CLEAR SEAL FILM,ADHESIVE	100 / BOX
SCT-103.035.04	SUPER CLEAR SEAL FILM,ADHESIVE	100 / BOX
SCT-103.035.05	SUPER CLEAR POLYSTYRENE LID SBS STANDARD	100 / BOX

- UNIT INDICATES PCS ONLY.

## SCT BLACK/WHITE MICRO TITER PLATE HOLDER WITH TRANSPARENT BOTTOM

### SALIENT FEATURES:

- SCT - Tissue, Black & White holder with transparent bottom plate is made of good quality plastic in a aseptic environment.
- Designed for fluorescence and luminescence studies and applications with black and white plates.
- Single structure plate with 96 wells.
- White or black holder is fitted with transparent - polystyrene/uv polymer bottom
- Minimum autofluorescence and autoluminescence
- Unique design eliminate wicking and bubble composition
- Can read from bottom to top or both
- High flatness within 100 microns
- Low background and cross-talk
- SBS standard footprint compatibility with automated equipment
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATIONS:

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.036.01	SCT BLACK/CLEAR 96 WELL TC-TREATED MICROPLATE WITH LID, INDIVIDUALLY WRAPPED, STERILE, BLACK POLYSTYRENE, FLAT CLEAR BOTTOM, AREA: 0.32 CM2, VOLUME: 0.37 ML/WELL	50 / BOX
SCT-103.036.02	SCT BLACK 96 WELL NON-TREATED MICROPLATE WITH LID, INDIVIDUALLY WRAPPED, STERILE, BLACK POLYSTYRENE, FLAT BOTTOM, AREA: 0.32 CM2, VOLUME: 0.37 ML/WELL	50 / BOX
SCT-103.036.03	SCT WHITE/CLEAR 96 WELL TC-TREATED MICROPLATE WITH LID, INDIVIDUALLY WRAPPED, STERILE, WHITE POLYSTYRENE, FLAT CLEAR BOTTOM, AREA: 0.32 CM2, VOLUME: 0.37 ML/WELL	50 / BOX
SCT-103.036.04	SCT WHITE 96 WELL NON-TREATED MICROPLATE WITH LID, INDIVIDUALLY WRAPPED, STERILE, WHITE POLYSTYRENE, FLAT BOTTOM, AREA: 0.32 CM2, VOLUME: 0.37 ML/WELL	50 / BOX
SCT-103.036.05	SCT BLACK/CLEAR 384 WELL TC-TREATED MICROPLATE WITH LID, INDIVIDUALLY WRAPPED, STERILE, BLACK POLYSTYRENE, FLAT CLEAR BOTTOM, AREA: 0.12 CM2, VOLUME: 0.12 ML/WELL	50 / BOX
SCT-103.036.06	SCT BLACK 384 WELL NON-TREATED MICROPLATE WITH LID, INDIVIDUALLY WRAPPED, STERILE, BLACK POLYSTYRENE, AREA: 0.12 CM2, VOLUME: 0.12 ML/WELL	50 / BOX
SCT-103.036.07	SCT WHITE/CLEAR 384 WELL TC-TREATED MICROPLATE WITH LID, INDIVIDUALLY WRAPPED, STERILE, WHITE POLYSTYRENE, FLAT CLEAR BOTTOM, AREA: 0.12 CM2, VOLUME: 0.12ML/WELL	50 / BOX
SCT-103.036.08	SCT WHITE 384 WELL NON-TREATED MICROPLATE WITH LID, INDIVIDUALLY WRAPPED, STERILE, WHITE POLYSTYRENE, FLAT CLEAR BOTTOM, AREA: 0.12 CM2, VOLUME: 0.12 ML/WELL	50 / BOX
SCT-103.036.09	SCT BLACK LOW-PROFILE 384 WELL NON-TREATED MICROPLATE WITH LID, INDIVIDUALLY WRAPPED, STERILE, BLACK POLYSTYRENE, FLAT CLEAR BOTTOM, AREA: 0.01 CM2, VOLUME: 0.03 ML/WELL	50 / BOX
SCT-103.036.10	SCT WHITE LOW-PROFILE 384 WELL NON-TREATED MICROPLATE WITH LID, INDIVIDUALLY WRAPPED, STERILE, BLACK POLYSTYRENE, FLAT CLEAR BOTTOM, AREA: 0.01 CM2, VOLUME: 0.03 ML/WELL	50 / BOX

- UNIT INDICATES PCS ONLY.



## SCT TISSUE CULTURE GRADE PETRI DISHES

### SALIENT FEATURES:

- SCT Tissue culture grade petri dishes are made in a clean and aseptic conditions.
- Available in 35, 60, 100 and 150 mm sizes.
- Made of original class VI polystyrene.
- Uniform surface suitable for microscopy.
- Treated Tissue culture surface for consistent cell attachment and growth.
- Guaranteed sterile via gamma irradiation, disposable type / single use.
- Stackable, convenient for one hand operation.
- Ventilation lids with three ribs.
- SCT tissue culture grade petri dishes are DNA / RNase free, non-pyrogenic and non-toxic certified.
- Manufactured under ISO 9001:2008 Quality standards.



160

### ORDERING INFORMATIONS :

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.037.01	SCT 35MM TC-TREATED CULTURE DISH 10/PACK, STERILE, AREA: 9.6 CM <sup>2</sup> , DIMENSIONS: 35 X 10 mm	500 / BOX
SCT-103.037.02	SCT 60MM TC-TREATED CULTURE DISH 10/PACK, STERILE, AREA: 23.0 CM <sup>2</sup> , DIMENSIONS: 60 X 15 mm	500 / BOX
SCT-103.037.03	SCT 100MM TC-TREATED CULTURE DISH 10/PACK, STERILE, AREA: 58.0 CM <sup>2</sup> , DIMENSIONS: 94 X 20 mm	500 / BOX

- UNIT INDICATES PCS ONLY.

## SCT TISSUE CULTURE GRADE PLATES

### SALIENT FEATURES:

- SCT Tissue culture grade plates are made and packed in clean and aseptic condition.
- Available in different sizes to suit all the applications.
- Made of clear raw polystyrene and excellent optical quality.
- Fully sterile and clean Alphanumeric well identification.
- Treated Tissue culture surface for consistent cell attachment and growth.
- Industry standard footprint for automatic instrument compatibility.
- Low-evaporation lid, serrated gripping panels and writing patch.
- Available in individually wrapped easy peel packs and bulk packs
- One-way lid prevents cross-contamination while still allowing for gas exchange.
- SCT - tissue culture plates are DNA/RNase free, non-pyrogenic and non-toxic tested.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATIONS :

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.038.01	OMNI-TRAY(ONE WELL PLATE) INDIVIDUALLY WRAPPED, STERILE, AREA: 87CM <sup>2</sup> , VOLUME: 87ML/WELL	100 / BOX
SCT-103.038.02	6 WELL CLEAR TC-TREATED MICROPLATES 1/PACK, STERILE, AREA: 9.6 CM <sup>2</sup> , VOLUME: 15.5 ML/WELL	100 / BOX
SCT-103.038.03	12 WELL CLEAR TC-TREATED MICROPLATES 1/PACK, STERILE, AREA: 3.8 CM <sup>2</sup> , VOLUME: 6.0 ML/WELL	100 / BOX
SCT-103.038.04	24 WELL CLEAR TC-TREATED MICROPLATES 1/PACK, STERILE, AREA: 2.0 CM <sup>2</sup> , VOLUME: 3.5 ML/WELL	150 / BOX
SCT-103.038.05	96 WELL CLEAR TC-TREATED MICROPLATES, BAR-CODE INDIVIDUALLY WRAPPED, STERILE, AREA: 0.32 CM <sup>2</sup> , VOLUME: 0.37 ML/WELL	150 / BOX
SCT-103.038.06	96 WELL CLEAR TC-TREATED MICROPLATES 1/PACK, STERILE, AREA: 0.32 CM <sup>2</sup> , VOLUME: 0.37 ML/WELL	100 / BOX
SCT-103.038.07	384WELL CLEAR TC-TREATED MICROPLATE, SQUARE WELL, SBS, INDIVIDUALLY WRAPPED, STERILE, AREA: 0.12CM <sup>2</sup> , VOLUME: 0.13ML/WELL	100 / BOX

## SCT CO-CULTURE PLATES

### SALIENT FEATURES:

- SCT Co-culture grade petri dishes are made in a clean and aseptic conditions.
- Available in two mesh sizes (0.4 & 3.0  $\mu\text{m}$ ) and two diameters (12 & 24 mm)
- Provide ultimate flexibility in retaining fragile tissues during processing and staining. 6 well insertwell of 24mm diameter and 24-well of 12mm diameter.
- Fully sterile and clean.
- Both membrane types are transparent when wet and are suitable for phase contrast and optic systems,
- Insert well is a polystyrene fitted with a PC membrane bottom for use in 6 and 24-well plates.
- Designed and suitable for all the co-culture applications.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATIONS (Pls. check the well size and pack size prior to order)

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.039.01	SCT 6 WELL CO-CULTRE PLATE WITH 0.4 UM PORE POLYCARBONATE MEMBRANE INDIVIDUALLY WRAPPED, STERILE, AREA: 4.6 CM2, VOLUME: 2.6 ML/WELL AND 1.5 ML/INSERT	5 / BOX
SCT-103.039.02	SCT 6 WELL CO-CULTRE PLATE WITH 3.0 UM PORE POLYCARBONATE MEMBRANE INDIVIDUALLY WRAPPED, STERILE, AREA: 4.6 CM2, VOLUME: 2.6 ML/WELL AND 1.5 ML/INSERT	5 / BOX
SCT-103.039.03	SCT 24 WELL CO-CULTRE PLATE WITH 0.4 UM PORE POLYCARBONATE MEMBRANE INDIVIDUALLY WRAPPED, STERILE, AREA: 0.3 CM2, VOLUME: 0.6 ML/WELL AND 0.1 ML/INSERT	5 / BOX
SCT-103.039.04	SCT 24 WELL CO-CULTRE PLATE WITH 3.0 UM PORE POLYCARBONATE MEMBRANE INDIVIDUALLY WRAPPED, STERILE, AREA: 0.3 CM2, VOLUME: 0.6 ML/WELL AND 0.1 ML/INSERT	5 / BOX
SCT-103.039.05	SCT 6 WELL CO-CULTRE PLATE WITH 8.0 UM PORE POLYCARBONATE MEMBRANE INDIVIDUALLY WRAPPED, STERILE, AREA: 4.6 CM2, VOLUME: 2.6 ML/WELL AND 1.5 ML/INSERT	30 / BOX
SCT-103.039.06	SCT 24 WELL CO-CULTRE PLATE WITH 8.0 UM PORE POLYCARBONATE MEMBRANE INDIVIDUALLY WRAPPED, STERILE, AREA: 0.3 CM2, VOLUME: 0.6 ML/WELL AND 0.1 ML/INSERT	30 / BOX
SCT-103.039.07	SCT 6 WELL CO-CULTRE PLATE WITH 0.4UM PORE PET MEMBRANE INDIVIDUALLY WRAPPED, STERILE, AREA: 4.6 CM2, VOLUME: 2.6 ML/WELL AND 1.5 ML/INSERT	60 / BOX
SCT-103.039.08	SCT 24 WELL CO-CULTRE PLATE WITH 0.4 UM PORE PET MEMBRANE INDIVIDUALLY WRAPPED, STERILE, AREA: 0.3 CM2, VOLUME: 0.6 ML/WELL AND 0.1 ML/INSERT	60 / BOX
SCT-103.039.09	SCT 12MM INSERT WELL WITH 0.4UM PC MEMBRANE INDIVIDUALLY WRAPPED, STERILE	30 / BOX
SCT-103.039.10	SCT 12MM INSERT WELL WITH 3.0UM PC MEMBRANE INDIVIDUALLY WRAPPED, STERILE	60 / BOX
SCT-103.039.11	SCT 24MM INSERT WELL WITH 0.4UM PC MEMBRANE INDIVIDUALLY WRAPPED, STERILE	60 / BOX
SCT-103.039.12	SCT 24MM INSERT WELL WITH 3.0UM PC MEMBRANE INDIVIDUALLY WRAPPED, STERILE	60 / BOX

161

## SCT 35MM IVF (INVITRO FERTILIZATION) CULTURE DISHES

### SALIENT FEATURES:

- SCT Tissue, 35 mm IVF culture dishes are made of good quality PS - polystyrene in an aseptic environment.
- Non-treated surface
- Unique bottom design for temperature transfer
- Unique optical analysis
- Sterile, non toxic, non-pyrogenic
- MEA, HSSA and ENDO test certified
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATIONS:

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.040.01	SCT 35MM IVF DISH, 35x10MM, VENT CAP, 10DISHES/BAG	500 / BOX

- UNIT INDICATES PCS ONLY.

## SCT 60MM IVF CULTURE DISHES

### SALIENT FEATURES:

- SCT - Tissue, 60 mm IVF culture dishes made of good quality PS - polystyrene in an aseptic environment.
- Single and individual dishes.
- Unique bottom design for temperature transfer
- Unique optical analysis
- Sterile, non toxic, non-pyrogenic
- Non-treated surface
- MEA, HSSA and ENDO test certified.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATION:

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.041.01	SCT 60MM IVF DISH, 60×15MM, VENT CAP, NON-TREATED SURFACE, 10DISHES/BAG	500 / BOX

- UNIT INDICATES PCS ONLY.

162

## SCT 60MM IVF DISHES WITH ONE CENTER WELL

### SALIENT FEATURES:

- SCT - Tissue, 60 mm, IVF dish with one central well is made in an aseptic environment.
- Unique bottom design for temperature transfer
- Non-treated surface
- Unique optical analysis
- With single well
- Sterile, non toxic, non-pyrogenic
- MEA, HSSA and ENDO test certified.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATION:

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.042.01	SCT 60MM DISH WITH CENTER WELL, 1ML CENTER WELL, 60×15MM, 10DISHES/BAG	500 / BOX

- UNIT INDICATES PCS ONLY.

## SCT 60MM IVF CULTURE DISHES WITH 4 WELLS

### SALIENT FEATURES:

- SCT - Tissue, 60 mm IVF culture dishes with 4 - wells made of good quality plastics, made in an aseptic environment.
- Unique optical analysis
- Sterile, non toxic, non-pyrogenic
- It has 4 wells
- Excellent temperature transfer
- Made of medical class polystyrene
- Non-treated surface and treated available.
- MEA, HSSA and ENDO test certified.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATION :

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.043.01	SCT 4WELL IVF DISH, 66×66MM, NON-TREATED SURFACE, 4DISHES/BAG	120 / BOX
SCT-103.043.02	SCT 4WELL IVF DISH, 66×66MM, TREATED SURFACE, 4DISHES/BAG	120 / BOX

- UNIT INDICATES PCS ONLY.

## SCT PLASTIC VACUUM MANIFOLDS

### SALIENT FEATURES:

- SCT-Plastic Vacuum Manifolds are made of High Quality Polypropylene plastic materials
- SCT-Plastic Vacuum Manifold is suitable for Genomic Purifications, Magnetic bead assays, Solid phase extraction and Protein Purifications
- SCT-Plastic Vacuum Manifold compatible with all SBS foot print microplates.
- SCT-Plastic Vacuum Manifold fitted with side rigid plastic stopcock for Vacuum.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATIONS:

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.044.01	SCT-VACUUM MANIFOLD, SBS FOOTPRINT POLYPROPYLENE COMPATIBLE WITH SBS MICROPLATES	1 SET / BOX

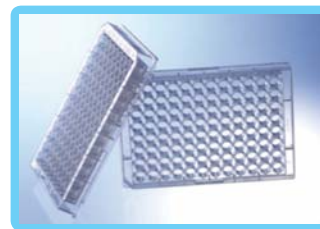
- UNIT INDICATES PCS ONLY.

163

## SCT- UVCLEAR MICROPLATES

### SALIENT FEATURES:

- SCT-UV clear Microplates are made in a clean and aseptic conditions
- SCT-UV clear Microplates are made of good quality plastic
- SCT-UV clear Microplates highly suitable for determining protein concentrations.
- SCT-UV clear Microplates are used in DNA/RNA concentrations
- SCT-UV clear Microplates are available in 3 types UV CLEAR –FLAT BOTTOM, UV-WHITE AND UV BLACK CLEAR UV POLYMER BOTTOM
- SCT-UV clear Microplates are produced for MOL-BIOL and TC applications.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATIONS:

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.044.11	SCT UV CLEAR FLAT BOTTOM 96 WELL MICROPLATE WITHOUT LID, IDEAL FOR DETERMINING PROTEIN AND/OR NUCLEIC ACID CONC., AREA: 0.32 CM2, VOLUME: 0.37 ML/WELL	100 / BOX
SCT-103.044.12	SCT WHITE 384 WELL TC-TREATED MICROPLATE, CLEAR UV PLOYMER BOTTOM, WITH LID, INDIVIDUALLY WRAPPED, STERILE, FLAT CLEAR BOTTOM, AREA: 0.12 CM2, VOLUME: 0.12ML/WELL	100 / BOX
SCT-103.044.13	SCT BLACK 384 WELL TC-TREATED MICROPLATE, CLEAR UV PLOYMER BOTTOM WITH LID, INDIVIDUALLY WRAPPED, STERILE, FLAT CLEAR BOTTOM, AREA: 0.12 CM2, VOLUME: 0.12ML/WELL	100 / BOX
SCT-103.044.14	SCT UV CLEAR FLAT BOTTOM 384WELL MICROPLATE WITHOUT LID, IDEAL FOR DETERMINING PROTEIN AND/OR NUCLEIC ACID CONC., AREA: 0.12 CM2, VOLUME: 0.12 ML/WELL	100 / BOX

## SCT CELL CULTURE COVERSLIPS

### SALIENT FEATURES:

- SCT - Tissue, cell culture cover slips and good quality optical grade polyethylene are made in an aseptic environment.
- Both hydrophilic and hydrophobic are available.
- Thickness between 18 to 20  $\mu\text{m}$ .
- Dia 13 mm is compatibility for 12 & 24 well plate.
- Dia 20 mm is compatability for 6 well plate and 35 mm dish.
- Available both in round and square shapes.
- Highly polished and clean
- Tissue culture / Molecular Biology grade
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATIONS :

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.045.01	SCT 13MM.CIRCLE SHAPE, TC-TREATED,OPTICAL, 50/PACK, STERILE, LOW-BACKGROUND, MINIMUM AUTOFLUORESCENCE AND AUTOLUMINESCENCE	50 / BOX
SCT-103.045.02	SCT 18MM.SQUARE SHAPE, TC-TREATED,OPTICAL 50/PACK, STERILE, LOW-BACKGROUND, MINIMUM AUTOFLUORESCENCE AND AUTOLUMINESCENCE	50 / BOX
SCT-103.045.03	SCT 20MM.SQUARE SHAPE, TC-TREATED,OPTICAL 50/PACK, STERILE, LOW-BACKGROUND, MINIMUM AUTOFLUORESCENCE AND AUTOLUMINESCENCE	50 / BOX

## SCT TISSUE CULTURE ROLLER BOTTLES

### SALIENT FEATURES:

- SCT Tissue - roller bottles are made of good quality plastics in an aseptic environment.
- Wide capacities 150, 250, 500 and 2000 ml in both sterile and non-sterile condition.
- Wide cell growth area of 750 cm<sup>2</sup> for adhesive and huge growth volume for suspension
- Every bottle has printed graduation
- Designed large knurls on the cap for easy grip
- Sterilized by gamma irradiation.
- Both sterile and non-sterile available.
- Bottle surface is smooth and free from striation to maximize usable area for growth
- Either surface-treated or non-treated
- Suitable for all the common instruments and automation
- SCT Tissue culture roller bottles are certified non-pyrogenic
- Manufactured under ISO 9001:2008 Quality standards.



164

### ORDERING INFORMATION:

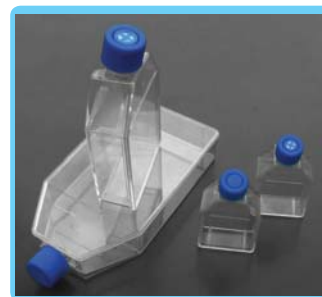
PRODUCT NO.	DESCRIPTION	STERILITY	UNIT PACK SIZE
SCT-103.046.01	SCT ROLLER BOTTLE FOR TISSUE CULTURE, GPPS, 150ML	NON-STERILIZED	24 / PACK
SCT-103.046.02	SCT ROLLER BOTTLE FOR TISSUE CULTURE, GPPS, 250ML	NON-STERILIZED	24 / PACK
SCT-103.046.03	SCT ROLLER BOTTLE FOR TISSUE CULTURE, GPPS, 500ML	NON-STERILIZED	24 / PACK
SCT-103.046.04	SCT ROLLER BOTTLE FOR TISSUE CULTURE, GPPS, 2000ML	NON-STERILIZED	12 / PACK
SCT-103.046.05	SCT ROLLER BOTTLE FOR TISSUE CULTURE, GPPS, 150ML	STERILE	24 / PACK
SCT-103.046.06	SCT ROLLER BOTTLE FOR TISSUE CULTURE, GPPS, 250ML	STERILE	24 / PACK
SCT-103.046.07	SCT ROLLER BOTTLE FOR TISSUE CULTURE, GPPS, 500ML	STERILE	24 / PACK
SCT-103.046.08	SCT ROLLER BOTTLE FOR TISSUE CULTURE, GPPS, 2000ML	STERILE	12 / PACK

\* UNIT INDICATES PCS. ONLY

## SCT TISSUE CULTURE FLASKS (CANTED NECK)

### SALIENT FEATURES:

- SCT Tissue, Canted Neck Flasks are made of good quality Class VI-PS (Polystyrene) in an aseptic environment.
- Treated Tissue culture surface for consistent cell attachment and growth.
- Made of original Class VI polystyrene, optically.
- Vented/filter caps available for good gas exchange.
- Sealed cap with double step for available.
- Stackable, easy to operate - 1/4 open or sealed shape.
- Lab research grade/disposable.
- Guaranteed sterile via gamma irradiation.
- SCT Tissue culture flasks are certified non-pyrogenic and DNA/RNase free.
- Available in 25, 75 and 175 cm<sup>2</sup> area, with the capacities of 50, 250 and 650 ml.
- Manufactured under ISO 9001:2008 Quality standards.



### ORDERING INFORMATION:

PRODUCT NO.	DESCRIPTION	UNIT PACK SIZE
SCT-103.047.01	SCT 25 CM <sup>2</sup> TC FLASKS WITH PLUG SEAL CAP 10/PACK, STERILE, AREA: 25 CM2	300 / BOX
SCT-103.047.02	SCT 25 CM <sup>2</sup> TC FLASKS WITH VENT CAP 10/PACK, STERILE, AREA: 25 CM2	300 / BOX
SCT-103.047.03	SCT 75 CM <sup>2</sup> TC FLASKS WITH PLUG SEAL CAP 5/PACK, STERILE, AREA: 75 CM2	300 / BOX
SCT-103.047.04	SCT 75 CM <sup>2</sup> TC FLASKS WITH VENT CAP 5/PACK, STERILE, AREA: 75 CM2	100 / BOX
SCT-103.047.05	SCT 175 CM <sup>2</sup> TC FLASKS WITH PLUG SEAL CAP 4/PACK, STERILE, AREA: 175 CM2	40 / BOX
SCT-103.047.06	SCT 175 CM <sup>2</sup> TC FLASKS WITH VENT CAP 4/PACK, STERILE, AREA: 175 CM2	40 / BOX

- UNIT INDICATES PCS ONLY.

## SCT - PLANT TISSUE CULTURE CONTAINERS (MAGENTA VESSEL)

### MATERIAL : PC/PP AUTOCLAVABLE

This SCT autoclavable container has transparent polycarbonate body and polypropylene cap. Unique cap and drip ring makes the container ideal for plant tissue culture.

PRODUCT NO.	LENGTH x BREATH x HEIGHT (mm)
SCT-103.050.01	75 X 75 X 100



## SCT - PLANT TISSUE CULTURE CONTAINER

### MATERIAL : PC/PP AUTOCLAVABLE

This SCT Autoclavable container has a side tube with a silicone membrane on the cap which allows change or addition of growth medium without disturbing the contents. All the stages of plant tissue culture can now be completed in one vessel without the need of transferring tissue from one vessel to another. A floating explant holder keeps the tissue in constant contact with medium.

PRODUCT NO.	DIA x HEIGHT (mm)
SCT-103.051.01	100 X 150



165

## SCT TOUGH TAGS / TOUGH SPOTS

These are chemically inert polyester labels which will strongly adhere to all plastics and other material. They are temperature resistant from -40°C to 121°C. These labels will withstand autoclaving, boiling water baths, freezer temperatures, organic solvents, caustic agents and other challenges without peeling.

PRODUCT NO.	DESCRIPTION	LENGTH x BREATH (mm)
SCT-103.052.01	Tough Tags	24 X 12.7
SCT-103.052.02	Tough Tags	32.5 X 12.7
SCT-103.052.03	Tough Spots	dia.-9.5
SCT-103.052.04	Tough Spots	dia.12.7

Tough Tags. For colour put the following suffix after the Code No. B = Blue, G=Green, R=Red, W=White.

Tough Spots. For colour put the following suffix after the Code No. B=Blue, G=Green, O=Orange, R=Red, Y=Yellow, W=White.

\* These are made for ScichemTech and specs are subjected to change.



## SCT CRYO TAGS

These labels withstand conventional and cryogenic storage conditions. The label withstands boiling water baths at 100°C and dry heat upto 150°C without degrading.

PRODUCT NO.	DESCRIPTION	LENGTH x BREATH (mm)
SCT-103.053.01	Cryo Babies	32.5 x 12.7
SCT-103.053.02	Cryo Tags	38 x 19

\* These are made for ScichemTech and specs are subjected to change.



## SCT INDICATOR TAPE FOR STEAM AUTOCLAVE

Versatile tape indicates completion of normal sterilization process	
PRODUCT NO.	SIZE (CM)
SCT-103.054.01	2.54 x 1270

## HI TEMPERATURE INDICATOR TAPE FOR DRYING OVEN

Speciality cloth texture Hi - Temperature indicator tape shows the word STERILIZED in bold letters after standard sterilizing process. The tape sticks to almost any surface or shape, holds fast in dry oven temperature. It withstands acids, oils and greases.	
PRODUCT NO.	SIZE (CM)
SCT-103.055.01	1.95 X 635

\* These are made for ScichemTech and specs are subjected to change.



## SCT MULTI TAPE DISPENSER

These dispensers facilitates easy dispensing from one convenient location. Unique design allows fast addition or replacement of tape roll, can hold max of 6 tapes.

PRODUCT NO.	SIZE (CM)
SCT-103.056.01	1270 cm per Roll

\* These are made for ScichemTech and specs are subjected to change.



166

## SCT - LAB PETRI SEAL FILM

A sealing tape designed specifically for Petri Dish and Multiwell Plates to reduce evaporation and prevent contamination, similar to Para Film.

PRODUCT NO.	SIZE (CM)
SCT-103.057.01	12.70 x 274.30

\* These are made for ScichemTech and specs are subjected to change.



## SCT - LAB MULTIPURPOSE LABELLING TAPE

Autocavable tapes adheres to almost any dry surface i.e. glass, plastics, metal, paper or rubber. Sticks through out the most demanding procedures and is oil proof, water proof and acid resistant

PRODUCT NO.	SIZE (CM)
SCT-103.058.01	1.95 X 1270

\* These are made for ScichemTech and specs are subjected to change.



## SCT PERMANENT LAB MARKERS

PRODUCT NO.	DESCRIPTION
SCT-103.059.01	Available in Red, Blue, Green, Black Colours. Clear and permanent water proof markings. Sharp tip.



## SCT BIOHAZARD-AUTOCLAVABLE BAGS

### BIOHAZARD-AUTOCLAVABLE BAGS 600x400 (mm)

PRODUCT NO.	DESCRIPTION
SCT-103.073.01	Used in the disposal of clinical & medical wastes. Printed with the biohazard graphic symbol in blue colour. High temperature autoclave bags are manufactured from heavy gauge polypropylene material, suitable for autoclaving up to a temperature of 136°C DIMENSIONS—600 X 400mm THICKNESS- 45microns PACK-400/PK



### BIOHAZARD-AUTOCLAVABLE BAGS 900x600 (mm)

PRODUCT NO.	DESCRIPTION
SCT-103.074.01	Used in the disposal of clinical & medical wastes. Printed with the biohazard graphic symbol in blue colour. High temperature autoclave bags are manufactured from heavy gauge polypropylene material, suitable for autoclaving up to a temperature of 136°C DIMENSIONS—900 X 600mm THICKNESS- 45microns PACK-200/PK



### BIOHAZARD-AUTOCLAVABLE BAGS 1000x710 (mm)

PRODUCT NO.	DESCRIPTION
SCT-103.075.01	Used in the disposal of clinical & medical wastes. Printed with the biohazard graphic symbol in blue colour. High temperature autoclave bags are manufactured from heavy gauge polypropylene material, suitable for autoclaving up to a temperature of 136°C DIMENSIONS—1000 X 710mm, THICKNESS- 45microns PACK-200/PK



- ISO

## ScichemTech - DIGITAL TIMERS AND STOPWATCHES

### DIGITAL TIMER WITH COUNT UP (MIN TO SECONDS)



PRODUCT NO.	DESCRIPTION
SCT-103.076.01	<ul style="list-style-type: none"> <li>• Maximum time: 99 minute, 59 second</li> <li>• 3 buttons for set the timer easily</li> <li>• 30 second warning when the count down time completion</li> <li>• Count up function</li> <li>• With clip / stand on the back</li> <li>• With the strong magnet on the back</li> <li>• Larger LCD (52 x 28mm)</li> <li>• Battery: AAA x 1pc</li> <li>• Unit size : 81 x 71 x 25.5mm</li> </ul>

### DIGITAL TIMER WITH COUNT UP/DOWN AND CLOCK (HOURS TO SECONDS)

PRODUCT NO.	DESCRIPTION
SCT-103.077.01	Timer with alarm clock <ul style="list-style-type: none"> <li>• Have 4 group Timers(can countdown at the same time)</li> <li>• Countup, countdown and clock function</li> <li>• Maximum CountdownTimer: 99 hours 59 minutes 59 seconds;</li> <li>• 60 second warning when the count down time completion</li> <li>• With clip stand and magnet on the back</li> <li>• With big LCD(55 x 24mm);</li> <li>• Batteries: AAA x 2pcs (not include)</li> <li>• Can hang on a rope</li> <li>• Main materials: ABS plastic</li> <li>• Unit size: 85.5 x 85.4 x 39mm</li> </ul>





## SCT STOPWATCHES

### SCT - MULTIFUNCTION STOPWATCH

PRODUCT NO.	DESCRIPTION
SCT-103.079.01	<p>SCT Multi-function stopwatch with digital LCD panel and lanyard</p> <p><b>Chronograph:</b> 1/100 split/lap time With hourly chime and alarm function</p> <p><b>Basic Futures:</b> * Bigger digital screen, more visually * Detailed time display * Precise, portable, durable and easy to use. * Combined with the viscosity cup, precisely test the time and flowing speed of the fluid. *Good safe performance and long life.</p> <p><b>Unique Selling Propositions:</b> * With digital LCD panel and lanyard to hang on your neck</p> <p><b>SERVE AS CHRONOGRAPH</b> - This mode counts in 1/100th of a second interval for the first 30 minutes of timing(29min 59999 Sec.), and then in 1 second increment up to maximum of 24 hours(23hr:59min59Sec).</p> <p><b>SERVE AS TIME DISPLAY</b> - Able to display hour, minute, second, year, month, day, week and Auto Calendar - Able to set the Alarm and snooze function - 12-hour or 24-hour time display - Hourly Chime - Battery included</p> <p><b>Packing Details:</b> Unit Size: 88.5*62.5*22.5mm Unit Weight: 55 g</p>



168

- ISO

### SCT MULTIFUNCTION DUAL CHANNEL STOPWATCH



PRODUCT NO.	DESCRIPTION
SCT-103.080.01	<p>SCT Multifunction Dual Channel Stopwatch With digital LCD panel and lanyard</p> <p><b>Chronograph:</b> 1/100 split/lap time With hourly chime and alarm function</p> <p><b>Basic Futures:</b> *Bigger digital screen, more visually *Detailed time display *Precise, portable, durable and easy to use. *Combined with the viscosity cup, precisely test the time and flowing speed of the fluid. *Good safe performance and long life.</p> <p><b>Unique Selling Propositions:</b> * With digital LCD panel and lanyard to hang on neck</p> <p><b>SERVE AS CHRONOGRAPH</b> ----This mode counts in 1/100th of a second interval for the first 30 minutes of timing(29mins. 59999 Secs.), and then in 1 second increment up to maximum of 24 hours(23hrs:59mins59secs)</p> <p><b>SERVE AS TIME DISPLAY</b> ----Able to display hour, minute, second, year, month, day, week and Auto Calendar ----Able to set the Alarm and snooze function ----12-hour or 24-hour time display ----Hourly Chime ----Battery included</p> <p><b>Packing Details:</b> Unit Size: 88.5*62.5*22.5mm Unit Weight: 55 g</p>

- ISO

## SCT - MULTIFUNCTION THREE TRACKS STOPWATCH

PRODUCT NO.	DESCRIPTION
SCT-103.081.01	<p>SCT Multifunction Three Tracks Stopwatch with digital LCD panel and lanyard</p> <p>*Stopwatch times to 9 hours, 59 minutes, 59 seconds, 99 hundredths.</p> <p>*Resolution is 1/1000 of a second and accuracy is 0.0001%.</p> <p>*Provides stopwatch functions: single-action, time-in/-out, continuous-timing, *cumulative-split, interval-split, 180-memories, and repetitive programmable countdown alarm times..</p> <p>* With hourly chime and alarm function</p> <p>Basic Futures:</p> <p>*Made for scientists in industrial, educational, hospital, and labs who insist on the finest instrumentation.</p> <p>*Engineered for ease of operation, accuracy, and reliability.</p> <p>*Bigger digital screen, more visually</p> <p>*Detailed time display</p> <p>*Precise, portable, durable and easy to use.</p> <p>*Combined with the viscosity cup, precisely test the time and flowing speed of the fluid. *Good safe performance and long life.</p> <p>Unique Selling Propositions:</p> <p>SERVE AS CHRONOGRAPH</p> <p>----1/1000 decimal second is the minimum unit</p> <p>----Split time, total time and lap time can be displayed</p> <p>----Able to measure 9 hours, 59 mins and 59.999 seconds memory</p> <p>----It can scroll back and forth when to read out the memory digits</p> <p>----Able to display the fastest, slowest or the average split time and corresponding rows</p> <p>----The first 10/20/40/60/90/120/150/180 and the last data can be read out from Memory after resetting</p> <p>----Able to record the split times(00-199)</p> <p>---- Water resistant</p> <p>SERVE AS TIMER</p> <p>----Can preset countdown timing and count up to 10 hours</p> <p>----Automatic cycling timing and time display</p> <p>----30 seconds suspending countdown timing</p> <p>SERVE AS Pedometer (PACER)</p> <p>----Able to preset paces from 10 paces per minute to 320 paces per minute</p> <p>----Able to display frequency and times</p> <p>SERVE AS TIME DISPLAY</p> <p>----Able to display hour, minute, second, year, month, day, week</p> <p>----Able to set the Alarm</p> <p>----12-hour or 24-hour time display</p> <p>Packing Details:</p> <p>Unit Size: 356*251*98mm</p> <p>Unit Weight: 75g</p>



- ISO

### NOTES:

\* ScichemTech Team would like to thank our customers for going through our Chapter 3 - Filtration and consumables. We are sure, that the products listed are attractive and fulfill your needs and hope enjoyed our presentation. In the following Chapter you will find the most interesting tools used in the laboratories and industries. The next chapter will have SCT LIQUID HANDLING AND DISPENSING PRODUCTS including vacuum pumps. We at ScichemTech, USA are very much sure you will enjoy our next Chapter too. In case, should you require and further informations or details please contact us at [sales@scichemtech.com](mailto:sales@scichemtech.com)

\* Manufacturer has the rights to change (or) modify the specifications without prior notice for quality improvement.