



BIO SIGMA

Biosigma launches the complete line of Multi tips of Sorenson™ BioScience Inc (USA) brand.



Eliminates Cross-Contamination
Certified Free of

Nase, Human DNA



Biosigma S.r.l. a Dominique Dutscher Company

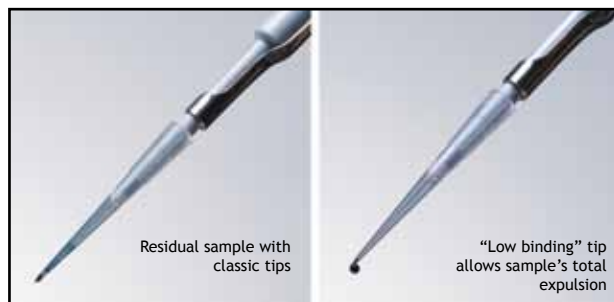
• Via Valletta, 6 • 30010 Cona (Venice) Italy • Ph. ++39 0426 302224

• Fax ++39 0426 302228 • Email: export@biosigmaeu.com • www.biosigma.com

Filter tips Microguard e Multiguard MµlTi (series)

They offer two kinds of surface:

- * The surface of the “standard” virgin polypropylene;
- * The inner surface “Low Binding”: the tip, made hydrophobic, reduces the surface tension. This property has two benefits: a refund of the sample and a maximal retention of DNA and proteins, much weaker than a standard tip.



Model	Volume	Features	Compatibility	In rack with lid				In rack with zip-lid			
				Standard		Low Binding		Standard		Low Binding	
				Ref.	Units / Box	Ref.	Units / Box	Ref.	Units / Box	Ref.	Units / Box
Microguard 10F	0,1-10 µl	Small volumes tips	Finnpipette 2-10 µl	-	-	-	-	-	-	DD028300T	10x96
Microguard 10G	0,1-10 µl	Small volumes micro tips	Gilson P2-P10, Finnpipette 2-10 µl Biohit 2,5-10 µl	DD028200	10x96	DD035200	10x96	-	-	-	-
MicroReach Guard	0,1-10 µl	Universal long (45 mm) tips	Gilson P2-P10 Eppendorf 10 µl Finnpipette 2-10 µl Biohit 2,5-10 µl	DD038000	10x96	DD038000T	10x96	-	-	DD030360T	10x96
Microguard 10XL	0,1-10 µl	Universal long (45 mm) tips	Gilson P2-P10 Eppendorf 2,5 µl - 10 µl Finnpipette 2-10 µl Biohit 2,5-10 µl	-	-	-	-	DD130340	10x96	-	-
Multiguard 10E	0,5-10 µl	Crystal long tips	Eppendorf 10 µl Socorex 10 µl	DD015020	10x96	DD035210	10x96	-	-	-	-
Multiguard 20 µl	5-20 µl	Universal	Gilson P20 Eppendorf 20 µl Finnpipette 10-20 µl Socorex 20 µl	DD014210	10x96	DD035220	10x96	-	-	DD030370T	10x96
Multiguard 100 µl	5-100 µl	Universal	Gilson P100 Biohit 50-100 µl Eppendorf 100 µl Finnpipette 50-100 µl Socorex 100 µl	DD036060	10x96	DD036060T	10x96	-	-	DD030380T	10x96
Multiguard 200 µl	5-200 µl	Universal	Gilson P200 Eppendorf 200 µl Finnpipette 200 µl Socorex 200 µl	DD014220	10x96	DD035230	10x96	-	-	DD030390T	10x96
Multiguard 300 µl	5-300 µl	Long tips 78 mm	Gilson P200 Biohit 250 µl Eppendorf 200 µl Finnpipette 200 µl	DD130510	10x96	DD130510T	10x96	-	-	-	-
Multiguard 1000 µl	100-1000 µl	Universal	Gilson P1000 Eppendorf 1000 µl Finnpipette 1000 µl Biohit 1000 µl Socorex 1000 µl	DD014200	10x100	DD035260	10x96	-	-	-	-
Multiguard 1250 µl	100-1250 µl	Long tips 102 mm	For pipette of 1000 µl	-	-	-	-	DD134000	8x96	-	-

MuTi tips for automation

Tips for automated pipetting stations for Beckman, Tecan and Zymark.

- * Certified RNase, DNase and endotoxin free
- * In rack
- * With or without filter



Volume µl	Sterile	Filter	Black Tips for Tecan		Light Tips for Zymark		Light Tips 1000 and 2000 for Beckman Biomek		Black Tips for beckman SPAN-8		Light Tips for Beckman FX	
			Ref.	Units / Box	Ref.	Units / Box	Ref.	Units / Box	Ref.	Units / Box	Ref.	Units / Box
10	No	No	-	-	-	-	-	-	-	-	DD111234	4800
10	Yes	No	-	-	-	-	-	-	-	-	DD111235	4800
10	Yes	Yes	-	-	-	-	-	-	-	-	DD111236	4800
20	No	No	DD111201	2304	-	-	DD111223	4800	DD111246	4800	DD111237	4800
20	Yes	No	DD111200	2304	-	-	DD111224	4800	DD111247	4800	DD111238	4800
20	Yes	Yes	DD111202	2304	-	-	DD111225	4800	DD111248	4800	DD111239	4800
30	Yes	Yes	-	-	-	-	-	-	DD111251	4800	DD111242	4800
50	No	No	DD111204	2304	DD111214	4800	DD111226	4800	DD111249	4800	DD111240	4800
50	Yes	No	DD111203	2304	DD111215	4800	DD111227	4800	DD111250	4800	DD111241	4800
50	Yes	Yes	DD111205	2304	DD111216	4800	-	-	-	-	-	-
100	No	No	-	-	DD111217	4800	-	-	-	-	-	-
100	Yes	No	-	-	DD111218	4800	-	-	-	-	-	-
100	Yes	Yes	-	-	DD111219	4800	-	-	-	-	-	-
165	Yes	Yes	-	-	-	-	DD111230	4800	DD111254	4800	DD111245	4800
170	Yes	Yes	-	-	DD111222	4800	-	-	-	-	-	-
200	No	No	DD111207	2304	DD111220	4800	-	-	-	-	-	-
200	No	No	DD111208	6912	-	-	-	-	-	-	-	-
200	Yes	No	DD111206	2304	DD111221	4800	-	-	-	-	-	-
200	Yes	Yes	DD111209	2304	-	-	-	-	-	-	-	-
250	No	No	-	-	-	-	DD111228	4800	DD111252	4800	DD111243	4800
250	Yes	No	-	-	-	-	DD111229	4800	DD111253	4800	DD111244	4800
1000	No	No	DD111211	1536	-	-	DD111231	360	-	-	-	-
1000	No	No	DD111212	4608	-	-	-	-	-	-	-	-
1000	Yes	No	DD111210	1536	-	-	DD111232	360	-	-	-	-
1000	Yes	Yes	DD111213	1536	-	-	DD111233	360	-	-	-	-

Capillary tips Multiflex and Miniflex for gel

NEW



Capillary tips to deposit the gel with high precision.

- * The capillary tips with round tip (0,57 mm O.D.) are used especially for SDS PAGE gel.
- * The capillary tip with flat spatula tip (0,17 e 0,37 mm O.D.) are indicated for sequencing gel. The big length of tips 200 µl (83 mm) allow use on deep tubes.
- * Certified RNase, DNase and pyrogenic free.
- * In rack of 200 pcs., autoclavables and with lid.



	Volume µl	Tip shape	Ø Ext. (mm)	Length (mm)	200-tip rack non sterile		200-tip rack sterile	
					Ref.	Units / Box	Ref.	Units / Box
For all micropipettes of 200 µl	0,5 - 200	Round	0,57	83,5	DD021570	2 x 200	DD013810	4 x 200
	0,5 - 200	Flat Spatula	0,37	83,5	DD027600	2 x 200	DD013770	4 x 200
	0,5 - 200	Flat Spatula	0,17	83,5	DD017310	4 x 200	DD017320	4 x 200
For micropipettes 10 µl Gilson, Biohit, Labsystems,	0,1 - 10	Round	0,57	83,5	DD015100	4 x 200	DD015110	4 x 200
	0,1 - 10	Flat Spatula	0,37	83,5	DD015120	4 x 200	DD015130	4 x 200
	0,1 - 10	Flat Spatula	0,17	83,5	DD017350	4 x 200	DD017360	4 x 200
For micropipettes 10 µl Eppendorf	0,1 - 10	Round	0,57	83,5	DD013920	4 x 200	DD013930	4 x 200
	0,1 - 10	Flat Spatula	0,37	83,5	DD013890	4 x 200	DD013900	4 x 200
	0,1 - 10	Flat Spatula	0,17	83,5	DD017330	4 x 200	DD017340	4 x 200
Capillary tips Multiflex 0,5 - 200 µl - in bulk	-	-	-	-	DD028480A	1000	-	-

MuTi tips

RNase and DNase-free. Exceptional precision and reproducibility. An incomparable choice.

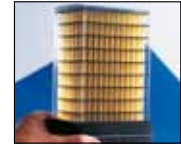


Tips in bulk **Tips in Cell rack**
usable also with Quick Rack **Tips in zip-lid rack**
usable also with Quick Rack **Tips in QuickRack**

Description	Type	Sterile	Ref.	Units / Box	Ref.	Units / Box	Ref.	Units / Box	Ref.	Units / Box
	Standard	No	-	-	-	-	DD030560A	10 x 96	-	-
	Standard	No	-	-	-	-	-	-	-	-
	Standard	Yes	-	-	-	-	DD030570A	10 x 96	-	-
	Low-binding	No	-	-	-	-	-	-	-	-
	Low-binding	Yes	-	-	-	-	-	-	-	-
	Standard	No	DD013970	1000	DD027510	10 x 96	-	-	-	-
	Standard	No	DD013980	10000	-	-	-	-	-	-
	Standard	Yes	-	-	DD027500	10 x 96	-	-	-	-
	Low-binding	No	DD035040A	1000	DD135060	10 x 96	-	-	-	-
	Low-binding	Yes	-	-	DD135070	10 x 96	-	-	-	-
	Standard	No	DD023580A	1000	DD023560A	10 x 96	-	-	DD030470	5 x 960
	Standard	No	DD023580	10000	-	-	-	-	-	-
	Standard	Yes	-	-	DD023570A	10 x 96	-	-	-	-
	Low-binding	No	DD035000A	1000	DD035010A	10 x 96	-	-	DD035030	5 x 960
	Low-binding	Yes	-	-	DD035020A	10 x 96	-	-	-	-
	Standard	No	DD037650A	1000	DD037640A	10 x 96	DD026400A	10 x 96	DD037820	5 x 960
	Standard	No	DD037650	10000	-	-	-	-	-	-
	Standard	Yes	-	-	DD037660A	10 x 96	DD026410A	10 x 96	-	-
	Low-binding	No	DD037650TA	1000	DD037640TA	10 x 96	DD026400TA	10 x 96	DD037820T	5 x 960
	Low-binding	Yes	-	-	DD037660TA	10 x 96	DD026410TA	10 x 96	-	-
	Standard	No	DD032430A	1000	DD032240	10 x 96	-	-	DD030440	5 x 960
	Standard	No	DD015730	10000	-	-	-	-	-	-
	Standard	Yes	-	-	DD032260	10 x 96	-	-	-	-
	Standard	No	DD010440	1000	DD032230	10 x 96	DD026420A	10 x 96	DD030430	5 x 960
	Standard	No	DD015720	10000	-	-	-	-	-	-
	Standard	Yes	-	-	DD032250	10 x 96	DD026430A	10 x 96	-	-
	Low-binding	No	DD035080A	1000	DD135090	10 x 96	DD026420TA	10 x 96	DD035110	5 x 960
	Low-binding	No	DD035080	10000	-	-	-	-	-	-
	Standard	No	DD130800A	1000	DD130920	10 x 96	-	-	-	-
	Standard	Yes	-	-	DD130930	10 x 96	-	-	-	-
	Low-binding	No	DD130800TA	1000	DD130920T	10 x 96	-	-	-	-
	Low-binding	Yes	-	-	DD130930T	10 x 96	-	-	-	-
	Standard	No	DD010020	1000	DD027110	10 x 100	-	-	-	-
	Standard	No	DD010040	10000	-	-	-	-	-	-
	Standard	Yes	-	-	DD027120	10 x 100	-	-	-	-
	Standard	No	DD010180	1000	DD010200A	10 x 100	-	-	-	-
	Standard	No	DD010190	10000	-	-	-	-	-	-
	Standard	Yes	-	-	DD010230A	10 x 100	-	-	-	-
	Low-binding	No	DD035170A	1000	DD035180A	10 x 100	-	-	-	-
	Low-binding	No	DD035170	10000	-	-	-	-	-	-
	Low-binding	Yes	-	-	DD035190A	10 x 100	-	-	-	-
	Standard	No	DD031610A	768	-	-	DD134750	8 x 96	DD134770	5 x 768
	Standard	No	DD031610	10 x 768	-	-	-	-	-	-
	Standard	Yes	-	-	-	-	DD134760	8 x 96	-	-

Empty racks

Ref.	Description	Units / Box
DD028360	Rack for tips 0,1 - 10 µl G Micro Tip	10
DD028310	Rack "Cell Rack" for tips 200 µl and 10 µl MicroReach	10
DD028320	Zip-lid rack for tips 200 µl (for QuickShot)	10
DD021750	Zip-lid rack for tips 1250 µl	8
DD027280	Zip-lid rack for tips 200 µl and 10 µl MicroReach	10



**Tips on PLATINUM
refills
on tray (without rack)**

Starter Kit

Tips in TipStation

**Tips in zip-lid rack
usable also with
QuickShot**

Tips on QuickShot

Description	Type	Sterile	Tips on PLATINUM refills on tray (without rack)		Starter Kit		Tips in TipStation		Tips in zip-lid rack usable also with QuickShot		Tips on QuickShot	
			Ref.	Units / Box	Ref.	Units / Box	Ref.	Units / Box	Ref.	Units / Box	Ref.	Units / Box
Tip 0,1 - 10 µl Micro-Guard 10XL long graduated 1, 2, 5, 10 µl Universal	Standard	No	-	-	-	-	-	-	-	-	-	-
	Standard	No	-	-	-	-	-	-	-	-	-	-
	Standard	Yes	-	-	-	-	-	-	-	-	-	-
	Low-binding	No	-	-	-	-	-	-	-	-	-	-
	Low-binding	Yes	-	-	-	-	-	-	-	-	-	-
Tips 0,5 - 10 µl crystal for Eppendorf E-tip	Standard	No	-	-	-	-	-	-	-	-	-	-
	Standard	Yes	-	-	-	-	-	-	-	-	-	-
	Low-binding	No	-	-	-	-	-	-	-	-	-	-
	Low-binding	Yes	-	-	-	-	-	-	-	-	-	-
Tip 0,1 - 10 µl micro for Gilson G MicroTip	Standard	No	-	-	-	-	-	-	-	-	-	-
	Standard	No	-	-	-	-	-	-	-	-	-	-
	Standard	Yes	-	-	-	-	-	-	-	-	-	-
	Low-binding	No	-	-	-	-	-	-	-	-	-	-
Tips 0,1 - 10 µl MicroReach long, Universal	Standard	No	DD170500	4 x 960	DD170700	10 x 96	DD027780	5 x 960	-	-	-	-
	Standard	No	-	-	-	-	-	-	-	-	-	-
	Standard	Yes	-	-	-	-	DD027790	5 x 960	-	-	-	-
	Low-binding	No	DD170600	4 x 960	-	-	DD027780T	5 x 960	-	-	-	-
Tip 1 - 200 µl Soft Tip Universal, graduated, yellow	Low-binding	Yes	-	-	-	-	DD027790T	5 x 960	-	-	-	-
	Standard	No	DD170520	4 x 960	DD170720	10 x 96	DD027720	5 x 960	DD032000A	10 x 96	DD032610	10 x 960
	Standard	No	-	-	-	-	-	-	-	-	-	-
	Standard	Yes	-	-	-	-	DD027730	5 x 960	DD032100A	10 x 96	DD032390	1
	Standard	No	DD170510	4 x 960	DD170710	10 x 96	DD027760	5 x 960	DD032270	10 x 96	DD032600	10 x 960
Tip 1 - 200 µl Soft Tip Universal, graduated, neutral	Standard	No	-	-	-	-	-	-	-	-	-	-
	Standard	Yes	-	-	-	-	DD027770	5 x 960	DD032280	10 x 96	DD032380	1
	Low-binding	No	DD170610	4 x 960	-	-	DD027760T	5 x 960	DD031800TA	10 x 96	DD035120	10 x 960
	Low-binding	No	-	-	-	-	-	-	-	-	-	-
Tip 1 - 300 µl extra long, graduated, neutral	Low-binding	Yes	-	-	-	-	-	-	DD031900TA	10 x 96	-	-
	Standard	No	DD170530	4 x 960	DD170730	10 x 96	-	-	-	-	-	-
	Standard	Yes	-	-	-	-	-	-	-	-	-	-
	Low-binding	No	DD170620	4 x 960	-	-	-	-	-	-	-	-
Tip 100 - 1000 µl Universal, non graduated, blue	Low-binding	Yes	-	-	-	-	-	-	-	-	-	-
	Standard	No	-	-	-	-	-	-	-	-	-	-
	Standard	Yes	-	-	-	-	-	-	-	-	-	-
Tip 100 - 1000 µl Universal, non graduated, neutral	Standard	No	-	-	-	-	-	-	-	-	-	-
	Standard	No	-	-	-	-	-	-	-	-	-	-
	Standard	Yes	-	-	-	-	-	-	-	-	-	-
	Low-binding	No	-	-	-	-	-	-	-	-	-	-
	Low-binding	No	-	-	-	-	-	-	-	-	-	-
Tip 50 - 1250 µl Universal, graduated, neutral	Low-binding	Yes	-	-	-	-	-	-	-	-	-	-
	Standard	No	DD170540	4 x 768	DD170740	8 x 96	-	-	-	-	-	-
	Standard	No	-	-	-	-	-	-	-	-	-	-
Standard	Yes	-	-	-	-	-	-	-	-	-	-	

Rack for PLATINUM tips

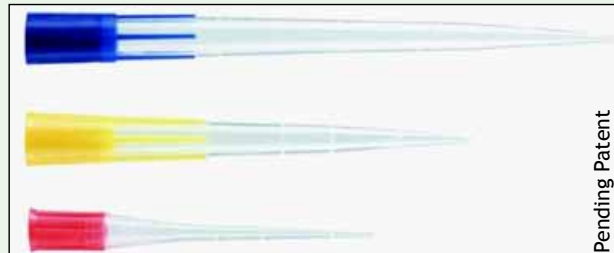
Ref.	Description	Units / Box
DD071000	Rack for tips 10, 200, 300 µl	1
DD371000	Rack for tips 10, 200, 300 µl	24
DD071010	Rack for tips 1250 µl	1
DD371010	Rack for tips 1250 µl	16

NEW

Tips One Touch® MplTi bi-component

Tips One Touch® MplTi are the bigger innovation in the handling of liquid samples.

- * Innovative production process: bi-component tips
- * Body of tip is on virgin traditional polypropylene
 - * The Upper part is in flexible elastomer
 - * It is optimally suited for most pipettes
 - * Optimal water resistance and accuracy
- * They need a little pressure for the inclusion and for the tip ejection
 - * Greatly reduce the muscle fatigue of the operator
- * They can be used in plastic racks or in cardboard E-DEK-bio-degradable racks
 - * Guarantee an optimal load in terms of use with multichannel pipettes
- * A particular resistance of cardboard racks without these being crushed during the use.
 - * The One Touch without filter tips in racks are autoclavable
- * The revolutionary packaging: cardboard racks E.DEK reduces quantity of the plastic waste



Tips	Rack in Plastic		Rack in Carton E.DEK	
	Ref.	Units / Box	Ref.	Units / Box
10/20 µl non sterile	DD010300	10 x 96	-	-
10/20 µl sterile	DD010310	10 x 96	DD010390	50 x 96
10/20 µl with Filter, sterile	DD010320	10 x 96	DD010400	10 x 96
100 µl with Filter, sterile	DD010510	10 x 96	DD010530	10 x 96
300 µl non sterile	DD010330	10 x 96	-	-
300 µl sterile	DD010340	10 x 96	DD010410	50 x 96
300 µl with Filter, sterile	DD010350	10 x 96	DD010420	10 x 96
1000 µl non sterile	DD010360	8 x 96	-	-
1000 µl sterile	DD010370	8 x 96	-	-
1000 µl with Filter, sterile	DD010380	8 x 96	DD010460	12 x 64

