

*Precisely What You Need.*



**Samco Scientific**

# Yesterday, today and tomorrow

Why Samco Scientific has consistently been the leading producer of transfer pipets for over 35 years....

## Design

- Grips easily with latex gloves – no slipping
- Clear graduated markings
- Fine tip accuracy
- Packaging materials greatly reduce airborne mold spores from entering testing areas

## Repeatable Results

- Inert, nontoxic Polyethylene
- Safe, residue-free product that does not interfere with testing data

## Confidence

- Expert craftsmanship produces largest variety of fine tip pipets in the industry
- Precision-cut tips deliver a uniform drop size every time
- Proprietary controlled processes produce a uniform bulb with uncompromised integrity

FDA, QSR (cGMP) and ISO-9001:2000 registered



## LIFE SCIENCE APPLICATIONS

Top 8 Pipets: 6, 13, 15, 20, 23, 24, 25, 26, 27

### PROCEDURES

### PIPETES

#### **Cells in Flasks and Tubes – large volume, long pipets**

subculturing, harvesting, sampling 15, 50, 100 mL tubes and flasks	26, 27
--	--------

remove supernatant and media from cell cultures	26, 27
--	--------

wash cells	26, 27
------------	--------

post-centrifugation to remove all cell layers	26, 27
--	--------

#### **Isolating cells – large aperture pipet**

prevent cells from getting stripped when removed or transferred	6, 20
---	-------

triturate cells	6, 20
-----------------	-------

isolate platelets from blood and wash	6, 20
--	-------

#### **Technique Control – narrow stem and fine tips**

loading gets	13, 15, 23, 24
--------------	----------------

PCR work	13, 15, 23, 24
----------	----------------

DNA sample removal	13, 15, 23, 24
--------------------	----------------

feed hybridomas	13, 15, 23, 24
-----------------	----------------

protein assays	13, 15, 23, 24
----------------	----------------

lipid extractions	13, 15, 23, 24
-------------------	----------------

atomic absorption spectroscopy-reagent prep	13, 15, 23, 24
--	----------------

dropwise additions to culture plates	13, 15, 23, 24
---	----------------

#### **Eliminate Steps – large bulb, narrow stem Sedi-Pet®**

reaction chamber	23
------------------	----

storage ampule	23
----------------	----

portable aliquoting	23
---------------------	----

Pre-mix, collect, heat-seal, freeze, store, or incubate and dispense:	23
--	----

- reagents buffer solutions
- protozoa, nematode larvae, marine eggs, seeds
- anti-serum urine

# Application Guide

## INDUSTRIAL RESEARCH AND TESTING

Top 12 Pipets: 3, 7, 9, 10, 11, 13, 14, 15, 25, 26, 27

### PROCEDURES PIPETS

#### **Chromatography**

Sample preparation for: LC, GC, HPLC, TLC

• using 1 mL auto-sampler vials 13, 14, 24

• using 2mL auto-sampler vials 9, 15

layering in columns / transfers in columns 26, 27

loading gels 13

#### **Viscous liquid samples and transfers**

cremes 6, 20

oils 6, 20

perfumes 6, 20

beverages 6, 20

industrial slurries 6, 20

paints 6, 20

food 6, 20

#### **Field Testing**

water sampling 24, 27

pre-filled with KCL and buffers 24, 27

#### **pH Meter Maintenance**

adding acids or bases 7

remove and replace electrode fill solutions 11

#### **Spectrophotometry Cuvettes**

Reaches bottom of semi-microcuvettes; will not scratch expensive glass or quartz cells 25

#### **Reagent Handling**

portable ampule 24, 25

spreading and mixing 3

slide tests 10, 19

## CLINICAL APPLICATIONS

Top 10 Pipets: 5, 6, 10, 11, 14, 18, 19, 20, 24, 25, 26, 27

### PROCEDURES PIPETS

#### **Blood Banking**

rapid transfers (3.5 cc's in one squeeze) 4, 5, 10

narrow barrel fits tubes and donor bag tubing 4, 5, 10

controlled drop size 4, 5, 10

calibrated transfers 4, 5, 10

#### **Remove, Dispense Small Volumes**

remove and separate serum and blood 11, 14 and other fine tips

dispense small drops - pediatric samples - load hemocytometers 11, 14 and other fine tips

Transfer in and out of multi-well plates 11, 14 and other fine tips

#### **Sedimentation and Storage**

blood sedimentation 22, 24

access to Wintrobe tubes 24

fill, heat-seal and store or aliquot reagents, anti-serum, urine, etc. 25

#### **Bottle Sampling**

blood culture bottles 26, 27

#### **Slides**

smear blood samples 18, 19, 20

mix and spread reagents 18, 19, 20

#### **Funnels / Filters / Scoops**

cut bulb in half and insert filter 6

cut bulb at angle for scoop 6

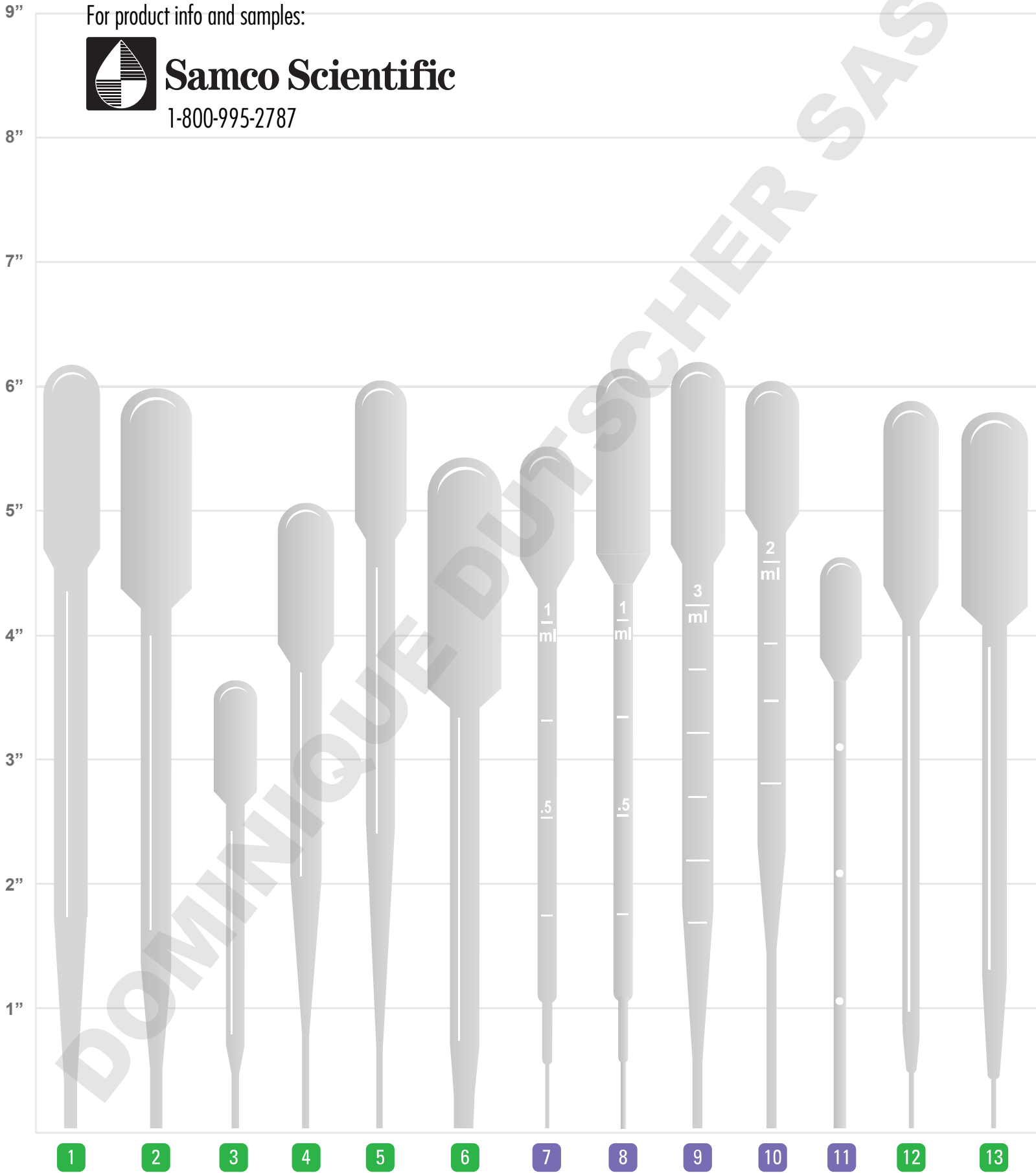
Product Specs Inside

For product info and samples:



**Samco Scientific**

1-800-995-2787



General Purpose

Graduated

Fine Tip

Exact Volume

28

29

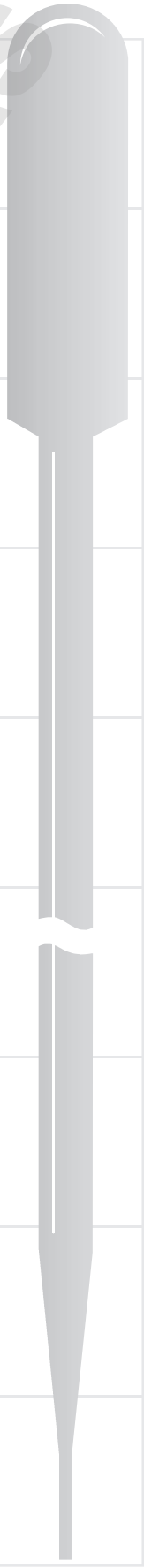
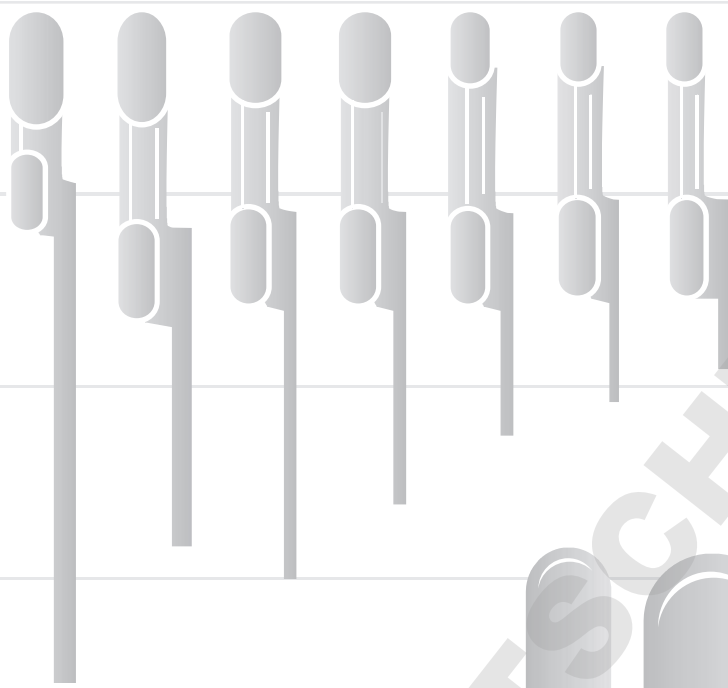
30

31

32

33

34



14

15

16

17

18

19

20

21

22

23

24

25

26

27

Special Purpose

Narrow Stem

Extra Long

DOMINIQUE DUTSCHER SAS

# Product Specifications

## General Purpose

Key#	Samco Catalog#	Product Description	Length	Stem Diameter	Overall Capacity	Bulb Draw	Drops per mL	Quantity Per Pack	Quantity Per Case	Sterile Pipets Individual	20's
1	202	General Purpose Standard	15.6 cm	7.9 mm	7.7 mL	3.2 mL	20	500	5,000	202-1S	202-20S
2	204	General Purpose Large Bulb	15.1 cm	6.1 mm	8.0 mL	4.6 mL	20	400	4,000	204-1S	204-20S
3	273	General Purpose 3"	8.7 cm	4.8 mm	1.7 mL	0.9 mL	25	500	4,000	273-1S	273-20S
4	335	5" B/B-Pet® (Blood Bank)	12.9 cm	6.6 mm	4.0 mL	1.9 mL	25	400	4,000	335-1S	335-20S
5	336	6" B/B Pet® (Blood Bank)	15.4 cm	6.6 mm	5.0 mL	1.9 mL	23	500	5,000	336-1S	336-20S
6	691	62 µL Large Aperture Pipet	13.7 cm	6.1 mm	9.3 mL	4.8 mL	—	250	2,500	691-1S	691-20S

## Graduated

Key#	Samco Catalog#	Product Description	Length	Stem Diameter	Overall Capacity	Bulb Draw	Drops per mL	Quantity Per Pack	Quantity Per Case	Sterile Pipets Individual	20's
7	212	Graduated 1 mL Small Bulb	14.0 cm	4.7 mm	3.9 mL	2.2 mL	25	500	5,000	212-1S	212-20S
8	222	Graduated 1 mL Large Bulb	15.5 cm	4.6 mm	5.8 mL	3.4 mL	25	500	5,000	222-1S	222-20S
9	225	Graduated 3 mL Large Bulb	15.5 cm	7.9 mm	7.5 mL	3.2 mL	20	500	5,000	225-1S	225-20S
10	274	Graduated 2 mL (Blood Bank)	15.2 cm	7.1 mm	4.8 mL	1.8 mL	24	500	5,000	274-1S	274-20S
11	282	Graduated 0.3 mL (Pediatric)	11.6 cm	3.0 mm	1.5 mL	0.8 mL	21	500	4,000	282-1S	282-20S

## Fine Tip

Key#	Samco Catalog#	Product Description	Length	Stem Diameter	Overall Capacity	Bulb Draw	Drops per mL	Quantity Per Pack	Quantity Per Case	Sterile Pipets Individual	20's
12	232	Fine Tip Standard	14.7 cm	4.6 mm	5.8 mL	3.3 mL	55	500	5,000	232-1S	232-20S
13	234	Fine Tip Large Bulb	14.7 cm	6.1 mm	8.7 mL	4.8 mL	45	400	4,000	234-1S	234-20S
14	231	Extended Fine Tip Small Bulb	10.4 cm	3.0 mm	1.5 mL	1.0 mL	50	400	3,200	231-1S	231-20S
15	233	Extended Fine Tip Large Bulb	15.3 cm	3.0 mm	5.0 mL	3.3 mL	50	250	2,000	233-1S	233-20S
16	235	Extended Fine Tip Standard	15.7 cm	4.6 mm	5.8 mL	3.5 mL	50	500	5,000	235-1S	235-20S
17	243	Fine Tip Small	5.1 cm	1.19 mm	1.3 mL	1.0 mL	45	500	4,000	—	

Custom design options available to meet your exact specifications



## Special Purpose

Key#	Samco Catalog#	Product Description	Length	Stem Diameter	Overall Capacity	Bulb Draw	Drops per mL	Quantity Per Pack	Quantity Per Case	Sterile Pipets Individual	20's
18	292	Padl-Pet® 25 µl Drop Size	13.1 cm	3.8 mm	1.0 mL	0.2 mL	—	500	4,000	—	
19	293	Padl-Pet® 30 µl Drop Size	13.1 cm	3.8 mm	1.0 mL	0.2 mL	—	500	4,000	—	
20	295	Padl-Pet® 50 µl Drop Size	12.4 cm	3.6 mm	0.8 mL	0.2 mL	—	500	4,000	—	

## Narrow Stem

Key#	Samco Catalog#	Product Description	Length	Stem Diameter	Overall Capacity	Bulb Draw	Drops per mL	Quantity Per Pack	Quantity Per Case	Sterile Pipets Individual	20's
21	241	SEDI-PET® Short Stem	6.4 cm	2.5 mm	1.2 mL	0.9 mL	25	500	4,000	241-1S	241-20S
22	242	SEDI-PET® Short Stem Large Bulb	8.5 cm	2.5 mm	4.0 mL	3.0 mL	25	500	5,000	242-1S	242-20S
23	251	SEDI-PET® Standard	15.5 cm	2.5 mm	4.6 mL	3.3 mL	25	500	5,000	251-1S	251-20S
24	252	SEDI-PET® Large Bulb	15.5 cm	3.0 mm	15.0 mL	8.0 mL	19	250	2,500	252-1S	252-20S
25	694	Q-Pet™ Transfer Pipet	15.5 cm	8.0 mm	6.7 mL	3.0 mL	—	500	5,000	694-1S	694-20S

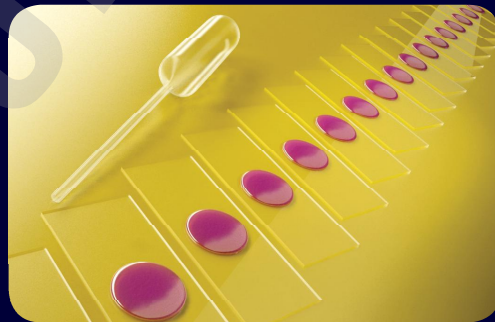
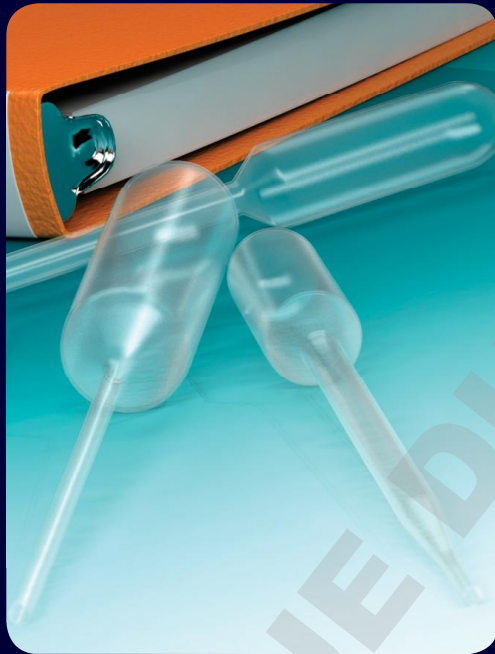
## Extra Long

Key#	Samco Catalog#	Product Description	Length	Stem Diameter	Overall Capacity	Bulb Draw	Drops per mL	Quantity Per Pack	Quantity Per Case	Sterile Pipets Individual	20's
26	262	Extra Long 9"	22.5 cm	5.0 mm	6.0 mL	2.3 mL	25	400	4,000	262-1S	262-20S
27	263	Extra Long 12"	30.0 cm	8.6 mm	23.0 mL	7.3 mL	20	100	1,000	263-1S	263-20S

## Exact Volume

Key#	Samco Catalog#	Product Description	Length	Stem Diameter	Dispense Volume	Quantity Per Pack	Quantity Per Case
28	191	Exact Volume	10.19 cm	3.0 mm	250 µL	500	5,000
29	788	Exact Volume	7.95 cm	3.0 mm	150 µL	500	5,000
30	787	Exact Volume	8.30 cm	2.5 mm	100 µL	500	5,000
31	786	Exact Volume	7.49 cm	2.5 mm	80 µL	500	5,000
32	785	Exact Volume	6.48 cm	2.5 mm	60 µL	500	5,000
33	784	Exact Volume	5.92 cm	2.3 mm	40 µL	500	5,000
34	783	Exact Volume	5.28 cm	2.0 mm	20 µL	500	5,000

*Yesterday, today and tomorrow...*



**Samco Scientific Products Customer Service Location**

Thermo Fisher Scientific  
Molecular BioProducts  
9389 Waples Street  
San Diego, CA 92121  
Tel: 800-995-2787  
Fax: 858-546-1642

