

## PRODUCT SHEET

### Vials

#### Main Applications

Glass and plastic vials for liquid scintillation counting.

#### Packing

Order N°.	Description	Packing
ME-VIA-PV1	Plastic Vials with Caps (HDPE) - 20mL	Box of 1000
ME-VIA-PV10	Plastic Vials with Caps (HDPE) - 20mL Packed in trays with caps bagged in 100	Box of 500
ME-VIA-PV11	Plastic Vials with Caps (HDPE) - 20mL Packed in trays with caps on	Box of 500
ME-VIA-PV2	Plastic Vials with POPSCREW Caps - 7mL	Box of 2500
ME-VIA-PV3	Plastic Vials with PUSHIN Caps - 7mL	Box of 2500
ME-VIA-PV4	Plastic Vials with POPSCREW Caps - 8mL	Box of 2000
ME-VIA-PV40	Plastic Vials with POPSCREW Caps Packed 4 trays with POPSCREW caps off - 8mL	Box of 1024
ME-VIA-PV41	Plastic Vials with POPSCREW Caps packed 4 trays with POPSCREW caps on - 8mL	Box of 1024
ME-VIA-GV1	Ultraclear Glass vials (20mL) with HIGH REFLECTION caps (Bkgd ~15cpm)	Box of 500
ME-VIA-GV2	Ultraclear Glass Vials (20mL) with POLYCONE caps	Box of 500
ME-VIA-GV11	Ultraclear Glass Vials (20mL) packed in trays with HIGH REFLECTION caps (Bkgd ~15cpm)	Box of 500
ME-VIA-GV21	Ultraclear Glass Vials (20mL) packed in trays with POLYCONE caps	Box of 500
ME-VIA-GV4	Ultraclear Glass Vials (8mL) with POLY LINED caps	Box of 1000
ME-VIA-CAPS	Caps, all types	Box of 500

#### Physical and chemical properties

Material : Glass vials: Borosilicate

Plastic vials: High Density Linear Polyethylene (HDLP)

#### Conditions of utilization

Recommended T of utilization : /

Storage: Dry and dark

## TECHNICAL INFORMATION

### Vials

#### Plastic vials

Meridian plastic vials are manufactured from virgin High Density Linear Polyethylene (HDLP) ensuring uniformity of structure. Counting backgrounds are low (5-7 cpm in a 0-18.6 keV window) giving excellent performance. Using HDLP ensures no high flash point cocktails, such as Gold Star and Gold Star LT2 permeate through the vial wall. Extended time testing show no loss of sample. Tests over a month show no loss of sample.

The vials are available in various sizes. For vials prepacked in trays, caps are delivered either screwed on the vial in in separate bags



Volume of vials	qty	Prepacked in trays	In boxes	Caps
20mL	1000	-	yes	POPSCREW or PUSHIN
20mL	500	100/tray	-	
7mL	2500	-	yes	
8mL	2000 1024	- 256/tray	yes -	POPSCREW

Table 1: Characteristics of plastic vials.

#### Glass vials

Meridian Glass Vials are manufactured with low background quartz materials with minimal detectable impurities. This ensures a performance benefit of low background (12-13 cpm in a 0-18.6 keV window) at low price. For user safety, the glass is annealed to prevent brittleness and minimize breakages.

Vials are available in different packaging. Caps are packed separately in convenient bags of 100 and have a flat surface for writing or labeling.

Volume of vials	qty of vials - prepacked in trays of 100	Caps
20mL	500	High reflection
20mL	500	Polycone
8mL	1000	PolyLined

Table 2: Characteristics of glass vials.

