

# CHIRON

MICROPREFS® MICROPLASTIC REFERENCE MATERIALS FOR ENVIRONMENTAL MONITORING

ENVIRONMENTAL

## The Worlds First Microplastics Reference Materials

Microplastics are tiny plastic pieces ranging from macro- to nano-sized particles that have become widespread pollutants. These non-biodegradable particles accumulate in our surroundings and eventually in food and drinking water making them harmful to both the environment and human health.

Our scientists have focused on these emerging global threats, and are excited to share Chiron MicroPRefs®, the first commercial microplastic reference material. The MicroPRef portfolio is designed to detect the six most abundant plastics in the environment and is available in a novel, easy-to-use tablet formulation. Be among the first labs to join in the fight against environmental pollution by exploring the **NEW line of Chiron MicroPRefs microplastic standards.**

Chiron MicroPRefs®:

- Featuring an easy-to-use tablet format containing a defined number of particles of specified sizes
- Offered in irregular shapes to mimic microplastics found in nature
- Produced for counting particles in a sample using MicroFT-IR, FT-RAMAN or similar techniques



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**ZeptoMetrix®**  
an antylia scientific company

Part No.	Chiron Part No.	Description	No. of Particles	Particle Size	Unit of Measure	Units/Pack	Matrix
24121-65	15459.X-TAB	MicroPRefs® Blank tablet			EA	1	tablet
24121-66	15459.X-TABx3	MicroPRefs® Blank tablets (3/PK)			PK	3	tablet
24121-68	15246.X-50/300-TAB	MicroPRefs® Polyethylene tablet	50-70 particles	50-300 µm	EA	1	tablet
24121-69	15246.X-50/300-TABx3	MicroPRefs® Polyethylene tablets (3/PK)	50-70 particles	50-300 µm	PK	3	tablet
24121-71	15247.X-50/300-TAB	MicroPRefs® Polyethylene terephthalate tablet	50-70 particles	50-300 µm	EA	1	tablet
24121-72	15247.X-50/300-TABx3	MicroPRefs® Polyethylene terephthalate tablets	50-70 particles	50-300 µm	PK	3	tablet
24121-74	15248.X-50/300-TAB	MicroPRefs® Polystyrene tablet	50-70 particles	50-300 µm	EA	1	tablet
24121-75	15248.X-50/300-TABx3	MicroPRefs® Polystyrene tablets (3/PK)	50-70 particles	50-300 µm	PK	3	tablet
24121-77	15249.X-50/300-TAB	MicroPRefs® Polypropylene tablet	50-70 particles	50-300 µm	EA	1	tablet
24121-78	15249.X-50/300-TABx3	MicroPRefs® Polypropylene tablets (3/PK)	50-70 particles	50-300 µm	PK	3	tablet
24121-80	15250.X-50/300-TAB	MicroPRefs® Polyvinylchloride tablet	50-70 particles	50-300 µm	EA	1	tablet
24121-81	15250.X-50/300-TABx3	MicroPRefs® Polyvinylchloride tablets (3/PK)	50-70 particles	50-300 µm	PK	3	tablet
24121-83	15251.X-50/300-TAB	MicroPRefs® Polycarbonate tablet	50-70 particles	50-300 µm	EA	1	tablet
24121-84	15251.X-50/300-TABx3	MicroPRefs® Polycarbonate tablets (3/PK)	50-70 particles	50-300 µm	PK	3	tablet
24121-86	S-5401-50/300-TAB	MicroPRefs® Tablet: Mix of PE, PET, PS	70-100 particles	50-300 µm	EA	1	tablet
24121-87	S-5401-50/300-TABx3	MicroPRefs® Tablets: Mix of PE, PET, PS (3/PK)	70-100 particles	50-300 µm	PK	3	tablet
24121-89	S-5402-50/300-TAB	MicroPRefs® Tablet: Mix of PP, PVC, PC	70-100 particles	50-300 µm	EA	1	tablet
24121-90	S-5402-50/300-TABx3	MicroPRefs® Tablets: Mix of PP, PVC, PC (3/PK)	70-100 particles	50-300 µm	PK	3	tablet

Part No.	Chiron Part No.	Description	No. of Particles	Particle Size	Unit of Measure	Units/Pack	Matrix
24121-92	15246.X-1MG	MicroPRefs® Polyethylene	-	50-300 µm	EA	1	neat
24121-93	15247.X-1MG	MicroPRefs® Polyethylene terephthalate	-	50-300 µm	EA	1	neat
24121-94	15248.X-1MG	MicroPRefs® Polystyrene	-	50-300 µm	EA	1	neat
24121-95	15249.X-1MG	MicroPRefs® Polypropylene	-	50-300 µm	EA	1	neat
24121-96	15250.X-1MG	MicroPRefs® Polyvinylchloride	-	50-300 µm	EA	1	neat
24121-97	15251.X-1MG	MicroPRefs® Polycarbonate	-	50-300 µm	EA	1	-
24121-98	15558.6-KIT-1MG	MicroPRefs® PE, PET, PS, PP, PVC, & PC Kit	-	50-300 µm	KIT	6	neat



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Analytical Reference Materials & PT by ZeptoMetrix®