## LSC Vial Selection Guide Which Vials to use?



Sample/Cocktail/Reagent situation Chemically inert - glass is suitable for use with most aggressive reagents Optical clarity - sample cocktail stability can be viewed **Glass** Solubilisation - glass is recommended for use with highly alkaline solubilisers No permeation of solvent used in some classical cocktails (toluene, xylene and pseudocumene) Lower backgrounds - Virgin Polyethylene is almost <sup>3</sup>H and <sup>14</sup>C free **Plastic** Safer - Plastic vials are shatterproof and do not break if dropped Plastic vials are combustible and therefore more suitable for disposal by incineration 20 ml Highest sample capacity - required for low activity and/or environmental applications 6-8 ml **Assay miniaturisation** Glass / Polycone liner Recommended when using aggressive reagents **Anti-Static Plastic Vial** Recommended for low humidity conditions where static can be a problem