DRiCM

Equipments proposed for DRICM	Functions
• Isotope dilution LC/MS/MS Mass Spectroscopy with accessories	• Primary and reference technique for qualification, quantification and confirmation of inorganic(s) at isotope level with highest accuracy, precision and sensitivity as well as lowest uncertainty.
• Liquid Chromatography Tendem Nuclear Magnetic Resonance Spectrophotometer with juice profiler system	• Primary and reference technique for identification by structural elucidation, quantification of organic substance at molecular level with highest accuracy and precision to provide traceability from primary certified reference material to secondary certified reference material and working reference standard.
• Near Infrared Spectrophotometer with fiber optic probe and attachment	• Non destructive infrared molecular and vibrational quantum mechanical technique to qualify and quantify simultaneously multiple components in the complex CRM for pharmaceutical industrial quality control.
• Isotope dilution Gas Chromatography Mass Spectrophotometer- Mass Spectrophotometer	• Primary and reference technique for qualification, quantification and confirmation of organic(s) at isotope level with highest accuracy, precision and sensitivity as well as lowest uncertainty.
• Homogenizer (Heavy duty) at least 30 kg/L capacity	• Sample preparation equipment required for pulverization of large volume of sample such as 30 kg or L for Proficiency Testing PT program.
• Accessories for Mass Spectrophotometer (SPE complete set , Kuderna danish concentrator)	• Accessories required for different MS system for extraction and concentration of organic molecules from complex matrix matched certified reference material.
• Micro Balance with calibrated weight	• Primary and reference technique for mass measurement.
• Auto Titrator	• Automatic titration system.
• Protein distillation Apparatus	• Semi automated system to distillate protein from different type of matrices.
• Stability Chamber	• Fully automated closed system having precisely controlled environment for studying shelf life, stability, homogeneity, quality of produced and stored CRMs.
• Automatic Sieve Shaker, Spray Dryer, Freeze Dryer , Automatic CRM labeling dispensing, bottling & sealing machine (powder and liquid)	• Automatic system for both powder and liquid type CRM homogenization, drying, gravimetric dispensing, bottling, sealing, labeling batch by batch basis.

New Project

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