

THE POWERPLEX® FUSION 6C SYSTEM

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The PowerPlex® Fusion 6C System is a 6-color STR system that combines the required (Amelogenin, D18S51, FGA, D21S11, D8S1179, vWA, D13S317, D16S539, D7S820, TH01, D3S1358, D5S818, CSF1PO, D2S1338, D19S433, D1S1656, D12S391, D2S441, D10S1248, DYS391) and recommended (TPOX, D22S1045, SE33) expanded CODIS core loci. It includes Penta E which is a standard STR locus in Asia and Penta D which has been used worldwide for more than 10 years. In addition, two rapidly mutating Y-STR loci, DYS570 and DYS576, have been added to the multiplex; this will improve the determination of the number of male contributors in a complex mixture. The PowerPlex® Fusion 6C System has a short cycling time of approximately one hour and is compatible with direct amplification of single source samples from a variety of substrates.