

## Experimental Metadata Specifications:

### L1000 mRNA Profiling Assay

**Importance** 1: Required, 2: Required if available, 3: Optional

LINCS Field Name	Definition	Importance
L1000_Instrument	Instrument used to scan plates for fluorescence signal	1
L1000_Software	Software utilized to interpret fluorescence signal from plates	1
L1000_Software_Version	version number of software used for fluorescence analysis	1
L1000_Number_Probes	Total number of unique probes utilized for the experiment	1
L1000_RNA_Extraction	Method for obtaining RNA from cells/tissue	1
L1000_Processing_Package	Program package utilized to deconvolve and analyze plate data (MATLAB, R, Java, etc.)	2
L1000_Analysis_Software_Version	Software version utilized for processing package	2
L1000_Plate_Format	Format of the plate (number of wells)	1
L1000_Temperature	System temperature at which plate was examined, in Celsius	1
L1000_Chip_File	Link to the chip file (probes mapping to gene symbols)	2
L1000_Chip_File_Version	Chip file version	2