Customer Experience Laboratory

GeoMx DSP Training Group Course (Example agenda)

Day 1	Time	Topic
Technology Seminar	1hr 9:00-10:00	Introduce the GeoMx DSP technology
Training Overview Technical and Scientific Users	1.5hr (10:00-11:30)	Review training samples, protocol and training schedule
Lab Setup and Orientation Technical Users	30min (11:30-12:00)	Identify required lab items
Lunch Break	1hr (12:00-13:00)	Training slides being prepared
Slide Preparation Technical Users	2.5 – 3hr (13:00-16:00)	Deparaffinization and rehydration, Target Retrieval, Expose RNA Targets, Postfix, In Situ Hybridization O/N

Day 2	Time	Topic
Finish Slide Preparation Technical users	**3hr** **(9:00-12:00)**	Finish workflow including stringent washes, morphology and nuclei staining.
Slide Setup & Scanning Technical Users	**1hr** **(12:00 - 13:00)**	Loading instrument, initiate and complete scans.
Brief break / Quick lunch during scanning	**30min** **(13:00-13:30)**	
ROI Selection and start collection Scientific Users	**1hr** **(13:30-14:30)**	Review tool set for review scans and selecting ROIs. Select ROIs from remote location or at instrument. Start collection.
Break **(during ROI collection)**	**1hr** **(14:30-15:30)**	
Unload collection plate Technical users	**30min** **(15:30-16:00)**	Finalize readout, download Readout package, dry-down collection plate O/N.
Optional: Review Library Prep manual Technical users	**1hr** **(16:00-17:00)**	Review library prep manual to prepare for day 3.

Day 3	Time	Topic
Library Prep Technical Users	**1hr** **(9:00-10:00)**	Setup PCR Reaction
PCR amplification **Demo GeoMx NGS Pipeline while PCR runs** Technical and Scientific Users, Bioinformaticians	**1.5hr** **(10:00-11:30)**	PCR run; Demo GeoMx NGS Pipeline on test files
Purify and pool library	**1hr** **(11:30-12:30)**	Isolate amplicons and remove contaminants
QC Library / Lunch during Bioanalyzer run	**1.5hr** **(12:30-14:00)**	QC on bioanalyzer or similar
Setup of Sequencing run	**1hr** **(14- 15:00)**	Initiating sequencing run
Data analysis overview on training data	**2hr**	Insights into basic data analysis using DSPDA

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