Breakout Session Charge

John Elliott, NIST, 2015

What to do…

- Gain insight into measurement assurance practices via a “thought experiment”
- Three different assays
  - Cell counting
  - Cell viability
  - Cell function (tube forming assay)
- Breakout groups do not have to focus on one specific assay
- Step-by-step process to introduce measurement assurance concepts into an assay

Members of Breakout Groups

- Scientists that run the assays but may not have designed the measurement assurance steps
- Scientists that have designed the measurement assurance steps in a protocol
- Scientists that talk about the measurement assurance steps in the protocol
- Scientists that do not run the assay but embrace measurement assurance designs
- Scientists that have run the assay but do not have measurement assurance components

What we want…

- Leverage the experience of industrial experts
- Leverage the experience of other experts
- Leverage the experience of measurement assurance experts
- Identify sources of variability in assay
- Identify control experiments that provide confidence in the measurement
- Identify reference materials used or needed
- Identify what data should be charted to provide measurement assurance

Templates

- Measurement process flow chart (plus example)
- Measurement controls table (sources of variability/factors)
- Cause and effect diagram (Ishikawa Diagram) (plus example)
- Reference materials worksheet
- Inter-laboratory study worksheet