# {{kit\_name}}  
  
\*\*Catalog No.\*\*: {{catalog\_number}}   
\*\*Lot No.\*\*: {{lot\_number}}  
  
## Intended Use  
  
{{intended\_use}}  
  
## {{background\_title}}  
  
{{background\_text}}  
  
## Principle of the Assay  
  
{{principle\_of\_assay}}  
  
## Overview  
  
{% if reagents %}  
| Component | Specifications | Quantity |  
|-----------|---------------|----------|  
{% for reagent in reagents %}  
| {{reagent.name}} | {{reagent.specifications}} | {{reagent.quantity}} |  
{% endfor %}  
{% endif %}  
  
## Technical Details  
  
{% if specifications %}  
| Sample Type | Detection Range | Sensitivity | Assay Length | Sample Volume |  
|-------------|----------------|------------|--------------|---------------|  
| {{sample\_type}} | {{detection\_range}} | {{sensitivity}} | {{assay\_length}} | {{sample\_volume}} |  
{% endif %}  
  
## Preparation Before Assay  
  
{% if preparation\_notes %}  
{{preparation\_notes}}  
{% endif %}  
  
## Kit Components/Materials Provided  
  
{% if reagents %}  
| Component | Specifications | Quantity |  
|-----------|---------------|----------|  
{% for reagent in reagents %}  
| {{reagent.name}} | {{reagent.specifications}} | {{reagent.quantity}} |  
{% endfor %}  
{% endif %}  
  
## Required Materials Not Supplied  
  
{% if required\_materials %}  
{{required\_materials}}  
{% endif %}  
  
## {{standard\_curve\_title}}  
  
{% if standard\_curve %}  
| Concentration (pg/ml) | O.D. |  
|----------------------|------|  
{% for item in standard\_curve\_table %}  
| {{item.concentration}} | {{item.od\_value}} |  
{% endfor %}  
{% endif %}  
  
## Intra/Inter-Assay Variability  
  
{% if intra\_assay %}  
### Intra-Assay Precision  
  
| Sample | 1 | 2 | 3 |  
|--------|---|---|---|  
| n | {{intra\_assay.n}} | {{intra\_assay.n}} | {{intra\_assay.n}} |  
| Mean (pg/ml) | {{intra\_assay.mean}} | {{intra\_assay.mean}} | {{intra\_assay.mean}} |  
| Standard Deviation | {{intra\_assay.std\_dev}} | {{intra\_assay.std\_dev}} | {{intra\_assay.std\_dev}} |  
| CV (%) | {{intra\_assay.cv}} | {{intra\_assay.cv}} | {{intra\_assay.cv}} |  
{% endif %}  
  
{% if inter\_assay %}  
### Inter-Assay Precision  
  
| Sample | 1 | 2 | 3 |  
|--------|---|---|---|  
| n | {{inter\_assay.n}} | {{inter\_assay.n}} | {{inter\_assay.n}} |  
| Mean (pg/ml) | {{inter\_assay.mean}} | {{inter\_assay.mean}} | {{inter\_assay.mean}} |  
| Standard Deviation | {{inter\_assay.std\_dev}} | {{inter\_assay.std\_dev}} | {{inter\_assay.std\_dev}} |  
| CV (%) | {{inter\_assay.cv}} | {{inter\_assay.cv}} | {{inter\_assay.cv}} |  
{% endif %}  
  
## Reproducibility  
  
{% if reproducibility %}  
| Sample | Value | Added | Expected | Recovery% |  
|--------|-------|-------|----------|----------|  
{% for item in reproducibility %}  
| {{item.sample}} | {{item.value}} | {{item.added}} | {{item.expected}} | {{item.recovery}} |  
{% endfor %}  
{% endif %}  
  
## Preparation Before the Experiment  
  
{% if reagent\_preparation %}  
{{reagent\_preparation}}  
{% endif %}  
  
## Dilution of Standard  
  
{% if standard\_dilution %}  
{{standard\_dilution}}  
{% endif %}  
  
## Sample Preparation and Storage  
  
{% if sample\_preparation %}  
{{sample\_preparation}}  
{% endif %}  
  
## Sample Collection Notes  
  
{% if sample\_collection\_notes %}  
{{sample\_collection\_notes}}  
{% endif %}  
  
## Sample Dilution Guideline  
  
{% if sample\_dilution\_guideline %}  
{{sample\_dilution\_guideline}}  
{% endif %}  
  
## Assay Protocol  
  
{% if assay\_protocol %}  
{% for step in assay\_protocol %}  
{{loop.index}}. {{step}}  
{% endfor %}  
{% endif %}  
  
## Data Analysis  
  
{% if data\_analysis %}  
{{data\_analysis}}  
{% endif %}