**Technical Terms:**

1. Overview of Service

|  |  |
| --- | --- |
| Species Name | *VAR\_SPECIES* |
| Sample Type | Purified genomic DNA sample |
| Sample Number | SAM\_NUM\_1 |
| Library Type | 350 bp insert DNA library |
| Bioinformatics | VAR\_ALY |
| Turnaround Time | VAR\_TAT working days starting after we receive the library preparation confirmation from client |

1. Sample Requirements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sample Type | Remarks | Amount | Volume | Concentration | Purity |
| Genomic DNA | Strongly Recommended | ≥2 μg | ≥40 μL | ≥20ng/μL | OD260/280=1.8-2.0 |
| Required | ≥1 μg | ≥20μL | No degradation or RNA contamination |
| MDA product/Single Cell Amplified DNA | Strongly Recommended | ≥2 μg | ≥40 μL | ≥20ng/μL | Smear phenotype for MDA products from single cell and genomes |
| No gDNA Degradation |
| Required | ≥1 μg | ≥20μL | No Protein /RNA Contamination |
| Genomic DNA from FFPE | Strongly Recommended | ≥3 μg | ≥40 μL | ≥20ng/μL | OD260/280=1.8-2.0 |
| Required | ≥2 μg | ≥20μL | No degradation or RNA contamination |
| Fresh Animal Tissue | Strongly Recommended | ≥600 mg | - | - | - |
| Required | ≥300 mg | - | - | - |
| Fresh Plant Tissue | Strongly Recommended | ≥1 g | - | - | - |
| Required | ≥500 mg | - | - | - |
| Cells | Counts | ≥5×107 | - | - | - |
| Saliva | Volume | ≥4mL | - | - | - |
| Blood | Volume | ≥1mL | - | - | - |