**Microbial Update Log**

**Added following documents to directory “microbial”,**

1. Microbial PCR Product Sequencing Quotation Templeate
2. Pacbio Microbial WGS Quotation Tempate

**Changed following documents in directory “microbial/ Part2 SampleRequirements”,**

1. **Amplicon requirement**—added remarks “Required”
2. **Denovo requirement**---added document
3. **Meta requirement**---changed amount of genomic DNA to ≥300ng, concentration to ≥5ng/uL
4. **Microbial bacteria requirement**---deleted
5. **Microbial WGS requirement**---added document, please use this one instead of Microbial bacteria requirement
6. Deleted all “recommended amount” part in sample requirement documents
7. Changed all “working days” to “business days”

**Human Sample Requirement &Analysis**

**hWGS sample requirement**:

1. revision for gDNA, FFPE gDNA and the quantity of FFPE slides;

2. deletion for MDA product/Single Cell Ampified DNA.

**PCR-free sample requirement**:

1. deletion for Genomic DNA;

2. revision for Genomic DNA (low-input).

**hWES & hTRS sample requirement**:

1. revision for gDNA, MDA product/Single Cell Ampified DNA, FFPE gDNA and the quantity of FFPE slides.

**hWES advance analysis**:

1. deletion for parts of QC, standard analysis (consistent with hWGS advance part)

2. replacement for advanced analysis part based on "wes\_original" file

**RNA products**

**Changed contents in Part2 Sample Requirements of RNA products.**

**1 Euk mRNA: changed 1ug to 0.5 ug in required amount of total RNA; and halved the required amount of Animal Fresh Tissue,** **Plant Fresh Tissue, Cells.**

**2 Globin Clear: changed required amount of total RNA from 2ug to 1 ug in, of blood volume from 8ml to 4ml.**

**3 Globin Zero: changes are the same with those in Globin Clear.**

**4 Pro RNA seq: changed RNA concentration from 50 ng/μL to 20 ng/μL.**

**5 rRNA depletion: changed 2ug to 1 ug in required amount of total RNA; changed FFPE slides area and slides quantity from 0.5cm2to 0.3 cm2, from 5-10 slides to 3-5 slides respectively; and halved the required amount of Animal Fresh Tissue,** **Plant Fresh Tissue, Cells.**

**6 Of all above quotes, the item of *strongly recommended* was deleted.**

**Epigenetics: See updated version in Sharepoint （5 templates, number 14-WGBS, 15-ChIP, 26-RIP, 30-RRBS. 31TRBS）**

**PA WGS Sample Requirement**

**we modify the sample requirements of gDNA from fresh tissue，gDNA from FFPE sample，animal tissue and plant tissue.**