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| **WHOLE GENOME SEQ REQUISITION FORM** |
| **PATIENT INFORMATION** |
| Patient Name |  | MRN |  |
| Date of Birth |  | Gender | Male [ ]  Female[ ]  Unknown [ ]  |
| Nationality |  | Race/Ethnicity |  |
| Is this patient deceased?  | Yes [ ]  No [ ]  | Deceased Date |            |
| Is this patient: | Symptomatic/Affected [ ]  Asymptomatic/unaffected [ ]  |
| **SAMPLE INFORMATION\*** |
| Sample submitted as  |  [ ] Normalized Pooled library |  [ ] Non-pooled library  |
| Library must be quantified by the recommended library prep recommended means (qPCR , Fluorometric) prior to submission  |

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| **ORDERING PHYSICIAN/PROVIDER** |
| Name: Email:Phone: | Clinic/Hospital/Institution name:Department:Address: |
| **CLINICAL INFORMATION – For Human Clinical Samples** |
| **ICD-10 codes (required):**  |
| **Clinical diagnosis:** |
| **Age at initial presentation:** |
| **Differential diagnosis:** |
| **Reason for Testing (please include pertinent history and findings, including pathology report)**:  |
| * Pre/Perinatal History
* Structural Brain Abnormalities
* Developmental/Behavioral Findings
* Neurological Findings
* Craniofacial/Dysmorphism
* Eye Defects/ Vision
* Hearing Impairment
* Endocrine Findings
* Respiratory Findings
* Hematologic or Immunologic Findings
 | * Skin/Hair Findings
* Cardiac Findings
* Gastrointestinal Findings
* Metabolic findings (Attached relevant lab reports/values)
* Vascular System
* Genitourinary Findings
* Musculoskeletal Findings
* Cancer
* Vascular System
 |
| **Parental consanguinity** Yes [ ]  No [ ]  |
| **If Yes, specify the relationship:**  |
| **Family History (Attach pedigree if available):** |
| **Other Tests (Attach reports if available):** |
| [ ]  **ECHO:**[ ]  **EEG:** [ ]  **EMG:** [ ]  **MRI:**  | [ ]  **Muscle Biopsy:** [ ]  **Ultrasound:** [ ]  **X-rays:**[ ]  **Others:** |
| **Genetic tests** | **Performed at**  | **Result** |
| [ ]  **Karyotyping**  |  |  |
| [ ]  **Microarray**  |  |  |
| [ ]  **Single gene sequencing**  |  |  |
| [ ]  **Gene Panel**  |  |  |
| [ ]  **Others, specify**  |  |  |
| **Any remarkable findings related to the below (Please attach reports):** |

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| **Test Parameters Request** |

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| **NGS Application** |  |
| **Paired end or single reads** |  |
| **Number of libraries** |  |
| **Library prep kit** |  |
| **Are libraries pooled** |  |
| **If pooled. Concentration of pooled library (in nM)\*** |  |
| **for non-pooled libraries, provide Each library nM Conc & Average fragment length (1) (5)** | **Library ID** | **fragment length** | **nM Conc.** |
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| **Final Pooled library loading concentration (In nM, Please Refer to Genomic Requisition for SBS Sequencing Requirements) (2)** |  |
| **Internal control added (PhiX, Inline, Coriell gDNA…etc)** |  |
| **If custom internal control, please specify**  |  |
| **Flow cell request (Novaseq SP, S1 and Novaseq S2 available) (3)** |  |
| **Coverage Request \*\*\*** |  |
| **Dual or Single Flowcell Configuration (3)** |  |
| **Desired Sample per flowcell throughput (3) & (4)** |  |
| **Average amplicon length per library before pooling (Use the Following**  |  |
| **Indexing used (Single, dual, combinatorial), Name, type and Cat. No of Index Kit** |  |
| **Library ID, Illumina index ID and Sequence for each library**  | **Library ID** | **Index ID** | **Sequence** |
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| **For non-pooled libraries: Additional Kappa qPCR Quantification or Qubit Quantification of libraries prior to pooling (qPCR is default & highly recommended when performing WGS)** |  |
| **Inline Control DNA (default is No, IC will not be analyzed if a Bioinformatics service is requested)**  |  |
| **Expected Gb output** |  |
| ***1: Table can be Cut, pasted and expanded if more libraries are included******2: Additional dilution might be needed based on recommended loading nM concentration******3: Pricing may change depending on if your preference differs from default******4: Might Affect Coverage Requested******5: Provide Size & Conc. files (Agilent Bioanalyzer, Tapestation, Fragment Analyzer Graphs, Qubit and qPCR tables in ng/ul and nM conversion )*** |