

SLOVENSKO:

1. **tehnične zahteve za potrošni material:**

- Ponujeni potrošni material mora biti najsodobnejša verzija kompatibilnega potrošnega materiala s sekvenatorjem Promethion24 (ONT).
- Ponujena količina mora zadoščati za izvedbo 500 sekvenciranj celotnih humanih genomov.
- Ponujene pretočne celice morajo omogočati sekvenciranje dolgih (več kot 20.000 baznih parov) in ultra-dolgih (več kot 100.000 baznih parov) fragmentov DNA knjižnice v istem zagonu. (pretočna celica FLO-PRO114M (ONT), ali primerljivo)
- Ponujen morajo biti vsi reagenti za pripravo 500 knjižnic za sekvenciranje celotnih genomov na osnovi ligacije (reagenčni komplet SQK-LSK114-XL (ONT) ali primerljivo).
- Ponujena mora biti ustrezna količina reagentov za odstranitev kratkih fragmentov DNA (<10.000 baznih parov), za pripravo 500 vzorcev DNA (reagenčni komplet EXP-SFE001 (ONT) ali primerljivo).
- Ponujena mora biti ustrezna količina pufrov za izpiranje pretočnih celic, ki omogoča njihovo ponovno uporabo za sekvenciranje iste knjižnice (ponovno nalaganje na sekvenator)(reagenčni komplet EXP-WSH004 (ONT) ali primerljivo).
- Posamezna pretočna celica mora v enem zagonu proizvesti vsaj 90Gb sekvenčnih podatkov.
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ENGLISH:

1. **Technical Requirements for Consumables:**

- The offered consumables must be the latest version of compatible consumables for the Promethion24 sequencer (ONT).
- The offered quantity must be sufficient to perform 500 whole human genome sequencing runs.
- The offered flow cells must enable sequencing of long (more than 20,000 base pairs) and ultra-long (more than 100,000 base pairs) DNA library fragments in the same run. (Flow cell FLO-PRO114M (ONT), or equivalent).
- The offer must include all reagents for preparing 500 libraries for whole genome sequencing based on ligation (reagent kit SQK-LSK114-XL (ONT) or equivalent).
- The offer must include the appropriate quantity of reagents for removing short DNA fragments (<10,000 base pairs) for the preparation of 500 DNA samples (reagent kit EXP-SFE001 (ONT) or equivalent).
- The offer must include the appropriate quantity of buffers for flushing flow cells, enabling their reuse for sequencing the same library (reloading on the sequencer) (reagent kit EXP-WSH004 (ONT) or equivalent).
- Single ONT flow cell, offered in this tender, has to produce at least 90Gb (giga bases) of sequencing data per run.