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Tender

Long Read Sequencing - Babies in Focus

GENOMICS ENGLAND LIMITED

UK4: Tender notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-047414

Procurement identifier (OCID): ocds-h6vhtk-054df8 ([view related notices](#))

Published 8 August 2025, 4:27pm

Scope

Reference

GEL-RE-25161

Description

Genomics England is procuring long-read whole genome sequencing services. In partnership with the NHS and other stakeholders, we are co-designing and delivering a national research study, the Generation Study, involving up to 100,000 newborns to understand the role of whole genome sequencing to achieve more timely diagnosis of rare conditions and access to early intervention, enabling faster and better care for babies born with rare childhood onset diseases. The Generation Study aims to assess the benefits, challenges, and feasibility of integrating whole genome sequencing into newborn screening to enhance the early diagnosis and treatment of rare genetic conditions. If successful, the study could establish the foundation for the world's first national newborn screening program incorporating whole genome sequencing.

The study also aims to understand how, with consent, newborns' genomic and health data could be used for research to enable new diagnostic discoveries and treatments to be developed. As part of the consent to the study mothers are asked for permission to retain

the baby's data and sample and link it to clinical data over the course of their life and the ability to recontact them with further research opportunities.

The study will provide an invaluable dataset to researchers across industry and academia, and we have the opportunity to conduct further studies in a subset of these families to maximise the future impact to patients, researchers and the NHS. Deepening our dataset, including by introducing new modalities, is a priority for industry.

To do this, we plan to develop an enhanced longitudinal birth cohort (Babies in Focus) in a subset of participants in the next five years. This will begin with conducting long-read whole genome sequencing for at least 2,000 samples across two long-read technologies. This will help inform us of the plans for the larger funding that is being requested as part of the 2026-2030 spending review.

These services will be split into two lots:

Lot 1: 1,000 samples to be delivered to the supplier and sequenced between 5 January 2026 and 31 March 2026. An earlier start date may be mutually agreed by the Supplier and the Authority if implementation is completed before 5 January 2026. This lot has an estimated value of £1.4M.

Lot 2: 1,000 samples to be delivered and sequenced between 1 April 2026 and 1 September 2026. An earlier start date may be mutually agreed by Supplier and the Authority, subject to the Supplier's willingness and capability, and Authority funding. This lot has an estimated value of £1.4M

There is an optional extension (volume to be confirmed) of up to a total of 1,000 additional samples, valued at £1.4M. These optional extension volumes may be awarded to one or split across both lots. These optional volumes must be delivered by 1 March 2027.

Total value (estimated)

- £4,200,000 excluding VAT
- £5,040,000 including VAT

Above the relevant threshold

Options

The right to additional purchases while the contract is valid.

There is an optional extension (volume to be confirmed) of up to a total of 1,000 additional samples, valued at £1.4M. These optional extension volumes may be awarded to one or split across both lots. These optional volumes must be delivered by 1 March 2027.

Main procurement category

Services

CPV classifications

- 73111000 - Research laboratory services
- 85145000 - Services provided by medical laboratories
- 85148000 - Medical analysis services

Contract locations

- UKC - North East (England)
- UKD - North West (England)
- UKE - Yorkshire and the Humber
- UKF - East Midlands (England)
- UKG - West Midlands (England)
- UKH - East of England
- UKI - London
- UKJ - South East (England)
- UKK - South West (England)

Not the same for all lots

Contract dates are shown in Lot sections, because they are not the same for all lots.

Lot 1. 2025-2026

Description

1,000 samples to be delivered to the Supplier and sequenced between 5 January 2026 and 31 March 2026. An earlier start date may be mutually agreed by the Supplier and the Authority if implementation is completed before 5 January 2026. Please note that the estimated value of Lot 1 is £1.4M.

There is an optional extension (volume to be confirmed) of up to a total of 1,000 additional samples, valued at £1.4M. These optional extension volumes may be awarded to one or split across both lots. These optional volumes must be delivered by 1 March 2027.

Lot value (estimated)

- £2,100,000 excluding VAT
- £2,520,000 including VAT

Contract dates (estimated)

- 27 October 2025 to 31 March 2026
- 5 months, 5 days

Same for all lots

CPV classifications, contract locations and options are shown in the Scope section, because they are the same for all lots.

Lot 2. 2026-2027**Description**

1,000 samples to be delivered and sequenced between 1 April 2026 and 1 September 2026. An earlier start date may be mutually agreed by Supplier and Authority, subject to the Supplier's willingness and capability, and Authority funding. Please note that the estimated value of Lot 2 is £1.4M.

There is an optional extension (volume to be confirmed) of up to a total of 1,000 additional samples, valued at £1.4M. These optional extension volumes may be awarded to one or split across both lots. These optional volumes must be delivered by 1 March 2027.

Lot value (estimated)

- £2,100,000 excluding VAT
- £2,520,000 including VAT

Contract dates (estimated)

- 27 October 2025 to 1 March 2027
- 1 year, 4 months, 6 days

Same for all lots

CPV classifications, contract locations and options are shown in the Scope section,

because they are the same for all lots.

Submission

Enquiry deadline

22 August 2025, 12:00pm

Tender submission deadline

8 September 2025, 12:00pm

Submission address and any special instructions

<https://public.bravosolution.co.uk/>

Tenders may be submitted electronically

Yes

Languages that may be used for submission

English

Award decision date (estimated)

29 September 2025

Award criteria

Name	Type	Weighting
Quality	Quality	70%
Price	Price	30%

Other information

Applicable trade agreements

- Government Procurement Agreement (GPA)

Conflicts assessment prepared/revised

Yes

Procedure

Procedure type

Open procedure

Documents

Associated tender documents

<https://public.bravosolution.co.uk/>

Bravo project reference: itt_2171

Contracting authority

GENOMICS ENGLAND LIMITED

- Companies House: 08493132
- Public Procurement Organisation Number: PBTW-5897-QJGY

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E14 5AB

United Kingdom

Email: supplier.engagement@genomicsengland.co.uk

Website: <https://www.genomicsengland.co.uk/>

Region: UKI42 - Tower Hamlets

Organisation type: Public authority - central government